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62.89 1908  
**Fruit and Ornamental**

# TREES

**GRAPE-VINES, SMALL FRUITS, SHRUBS**

**ROSES, PLANTS, ETC.**

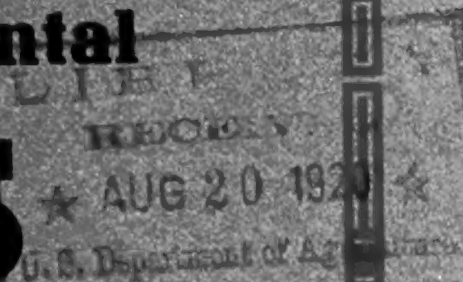


**DESCRIPTIVE CATALOGUE**

**W. T. HOOD & CO.**

**Old Dominion Nurseries**

**RICHMOND, VIRGINIA**



# A Few Words of Advice to Customers

PLEASE LET US HAVE YOUR ORDERS EARLY  
WHETHER THROUGH THE MAILS OR THROUGH OUR AGENTS

## Ordering Through our Agents

These agents have been employed by us after careful inquiry into their characters they having been recommended to us by prominent citizens in high standing, as trustworthy and reliable men. We respectfully urge all our customers to order through them if convenient, and in so doing they will save freight charges; for by taking a large number of orders for delivery at a certain point there is a great reduction in the freight, which we can afford to prepay. We endeavor to get a good agent in every county; though, if there be no agents canvassing in your neighborhood, you will, of course, be obliged to order direct of us through the mails.

In ordering through our agents, please see that the agent writes your name and place of delivery plainly at the top of the order, and also your post office, and the number of miles and the direction you live from the point of delivery. The signature at the bottom of order must be made only by the party ordering.

## Ordering Through the Mails

Please state if we shall ship by express or freight. Be careful to write your name, shipping directions, and varieties plainly; whether you want standard or dwarf. If, however, the selection is left to us, we will select according to our best judgment and long experience, taking into consideration the best varieties suited to the section from which the order comes. Orders from persons who are unknown to us should be accompanied by cash or satisfactory references. We deliver the stock at the depots and express offices, in Richmond, in good order. We take a receipt for same, and our responsibility ceases there. We are not responsible for loss or damage to goods in transit.

## Mistakes

In case of any mistake on our part, immediate notice should be given, so that it can be rectified or explained.

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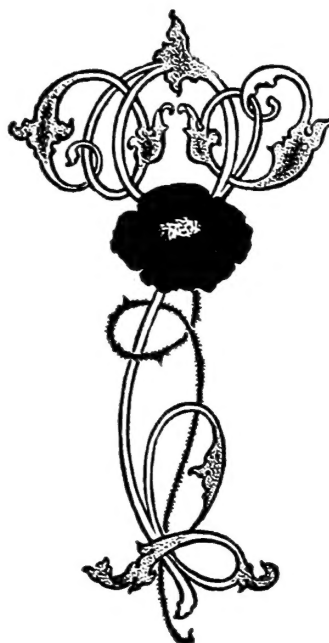


W. TAYLOR HOOD

KENT WILLIAMS HOOD

*Descriptive Catalogue of*  
**FRUIT AND ORNAMENTAL  
TREES**

GRAPE - VINES : SMALL FRUITS  
SHRUBS : PLANTS : ETC.



INDEXED.

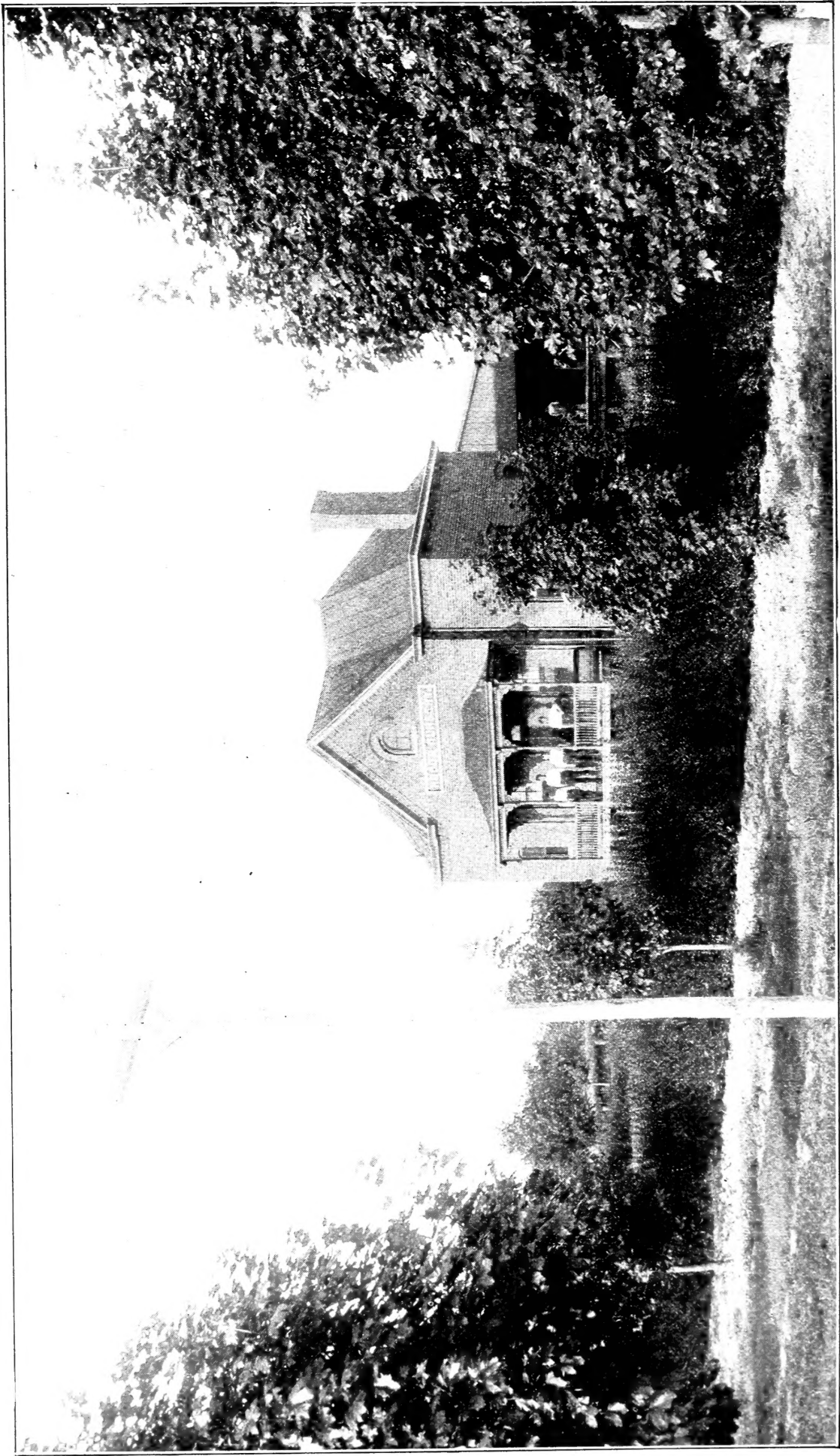
CULTIVATED AND FOR SALE BY

**W. T. HOOD & Co.**

*Old Dominion Nurseries*

**RICHMOND : VIRGINIA**

OFFICES: Ginter Park, Chamberlayne Avenue, on First St. (Lakeside) Car Line,  
one and one-half miles from Richmond. NURSERIES: Henrico County



Office, Old Dominion Nurseries, W. T. Hood & Co., Proprietors, Chamberlayne and Rennie avenues, Lakeside Car Line

## Preface



**A**FTER more than forty years' experience of our Mr. Hood in the nursery business, all of which time has been spent in business at this place, we take great pleasure in presenting this new edition of our Catalogue to our friends and patrons, hoping that they will accept our thanks for the generous aid and confidence they have bestowed upon us in the past; and it will be our aim in the future, by strict attention to business and honest dealing in all transactions, to merit a continuance of the same. We will spare no needful amount of cost and pains to grow the very best stock that can be grown, and shall only recommend such fruits as have proved to be good; and new fruits that have not been fully tested we will recommend to be planted in small lots, which will be a great means of disseminating them, and may be the cause of having many new fruits that will prove to do as well and be as popular all over the country as Early Harvest, Johnson's Fine Winter, Ben Davis and Winesap in Apples; Bartlett, Duchess and Kieffer in Pears; Elberta, Crawford's Early and Late, and Heath Cling in Peaches; Brighton, Concord and Martha in Grapes.

Since establishing our Nurseries there has been great improvement in growing first-class stock, and the people have been educated to know what are good trees. For instance, when we began business we planted 23,760 apple grafts to one acre; for the last four years we have planted only 15,488 grafts to the acre. This, of course, is the means of producing far superior trees to those grown when planting more grafts to the acre in years past. And with our motto to send out only the best stock, we do not make more than from 50 to 60 per cent of trees that we can fill our orders with, and the others we destroy, digging out those that we know will not make good trees, giving those left a much better chance to make strong and healthy trees; and while we do not claim to sell cheaper trees than any other first-class nursery, we think they will compare favorably with them and are as cheap as we can grow the stock we offer. As to our reliability not to send out anything that is not true to name, we will refer to the many references we have received, the pleasure we take in growing good trees, and our long association with the business. While we employ only good men and use every effort to satisfy our customers, mistakes will sometimes occur, which we are always willing to correct.

Our Nurseries are located one and one-half miles north of the city, on the Lake-side Car Line. We employ throughout the year in the cultivation of our stock from fifty to seventy-five hands, and work thirty horses and mules.

We find our home grounds admirably suited for producing extra fine specimens of Shade and Ornamental trees—Shrubbery, Roses, etc. For fruit trees, however, it is best to change land and we seldom plant on the same ground more than once—leasing land for term of from three to five years,—securing the most desirable locations for our purpose of propagating only our unexcelled, high-grade nursery stock.

We have leased for a term of three years (within two miles of our office) two of the most desirable farms near Richmond,—containing about 300 acres, on which we expect to grow as good trees as we have ever produced.

Since our last catalogue was issued I have admitted to an interest in my business my son, Kent Williams Hood,—who expects to make it his life work.

We have often been complimented by brother nurserymen on the extra growth our trees make; this we attribute to the frequent change of location, and our long experience and close personal supervision.

We hope in future as in the past that we will receive our share of your patronage, assuring you that we will endeavor to merit the same.

**W. T. HOOD & CO.**

## Remarks

To the planter or purchaser of nursery stock at least three things are indispensable: first, varieties true to name; second, healthy, vigorous, well-matured trees or plants, and third, careful and judicious packing, without which all may be lost.

We give the most careful scrutiny to the propagation of varieties, endeavoring by all methods known to us to protect ourselves from error or imposition, and rejecting anything of which we have reason to feel suspicious. By such careful and constant watching and attention we are warranted in offering our stock as pure and absolutely true to name.

Our soil being of a character best suited to produce the healthiest conditions of growth—that solid, firm texture of the wood, with abundant fibrous root, so necessary to successful transplanting—we are enabled to offer the products of our Nurseries with entire confidence to planters in all sections of the country.

We give to our packing and shipping careful personal supervision, and to still further protect our patrons, as well as ourselves, against loss in this direction, we employ the most skilled and competent hands to assist us.

By careful consideration of the wants of our trade and faithful attention to business, we hope to continue to merit and receive a share of the patronage of lovers and buyers of choice fruits and ornamentals.

### GUARANTEE OF GENUINENESS

While we exercise the greatest diligence and care to have all our trees, etc., true to label, and hold ourselves in readiness, on proper proof, to replace all trees, etc., that may prove untrue to label free of charge, or to refund the amount paid, it is mutually understood and agreed to, between the purchaser and ourselves, that our guarantee of genuineness shall in no case make us liable for any sum greater than that originally received for said trees, etc., that shall prove untrue.

### ADVICE TO PLANTERS

Select thrifty young trees in preference to old or very large ones; the roots are more tender and fibrous and they bear transplanting better and are far more apt to live; they can also be more easily trimmed and shaped to any desired form, and in the course of a few years will usually outstrip the older ones in growth.

### SELECTION OF VARIETIES

Be careful to choose such as you know to be suited to your section; or, as we have suggested heretofore, leave the selection to us. It is fair to presume that with the experience of more than forty years, giving all our time and talent to the subject, our information must be at least equal to that of the average planter. Varieties are almost innumerable, and many of them either worthless or of little value. Great injustice has been done by the compilation of long lists, which serve only to induce the orchardist to plant a large assortment, many of which generally fail to give satisfaction. A few good varieties, ripening in succession throughout the season, are far preferable for all purposes. What the planter particularly needs is a sufficient number of those varieties which have been tried and proved themselves worthy of cultivation.

It is our determination to propagate and recommend only such as we confidently believe to be of superior quality.

A few words as to quality of stock may not be inappropriate. Some are induced by low prices to plant second- or third-class trees, saying "your first-class stock costs



more." Now, this is as it should be. It costs more simply because it is worth more,—worth more to the nurseryman, and worth tenfold more to the planter.

It is useless, yea absurd, to expect a nice, thrifty, productive tree from a poor, weakly, stunted scion. Men deal not so in the animal kingdom; the best of the flock is always the choice of the well-informed breeder.

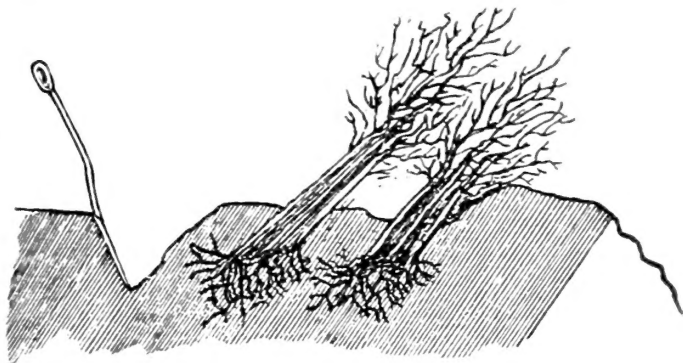
Let us insist upon it that you plant nothing but strictly first-class trees, which will always cost first-class prices.

### THE SOIL

A rich loam is the best for fruit, made sufficiently dry by artificial draining, if necessary; but all soils can be made available by judicious treatment.

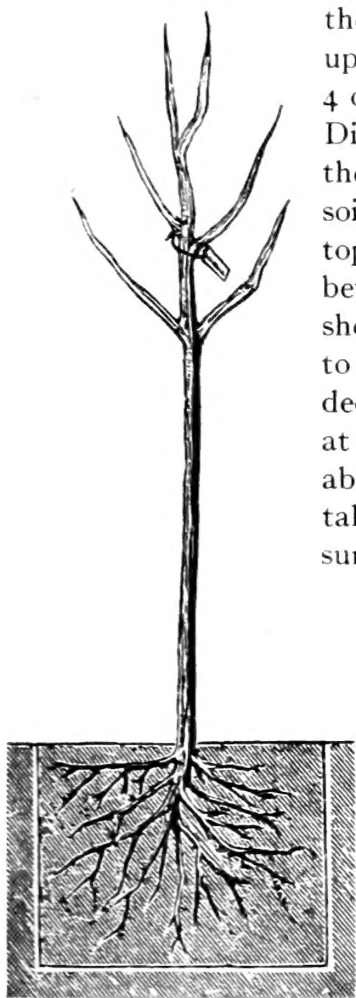
### PREPARATION FOR PLANTING

Plow and subsoil repeatedly, so as to



The right way to heel-in trees

thoroughly pulverize to a depth of 12 to 15 inches. When planting upon the lawn or grass plots, remove the sod for a diameter of 4 or 5 feet and keep this space well worked and free from weeds. Dig the hole deeper and larger than is necessary, to admit all the roots in their natural position, keeping the surface and subsoil separate. Cut off broken and bruised roots and shorten the tops to half a dozen good buds, except for fall planting, when it is better to defer top-pruning until the following spring, which should be done before the buds begin to push. If not prepared to plant when your stock arrives, "heel in," by digging a trench deep enough to admit all the roots, and setting the trees therein at an angle of about 45 degrees, carefully packing the earth about the roots and body of trees about one foot above ground, taking up when required. Never leave the roots exposed to the sun and air.



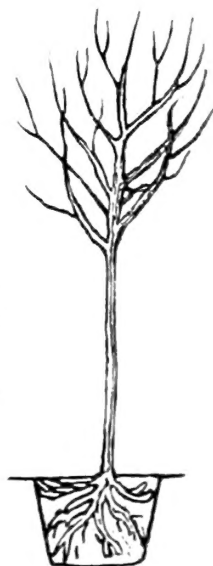
The right way to prune and plant a tree

the roots will be found eminently serviceable. Let there be a few quarts poured in while the hole is filling up. If the trees have been out of the ground for a long time, and become dry and shriveled, they should be immersed in water twenty-four hours before planting. Fruit trees sometimes remain with fresh and green branches, but with unswollen buds, till midsummer; instead of watering such at the roots, let the body and

### PREPARING THE ROOTS

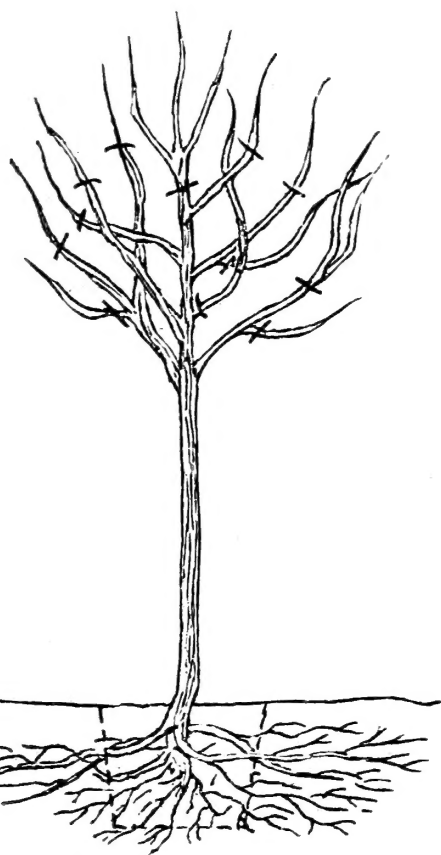
Immediately before planting, all the bruised or wounded parts, where cut with the spade, should be pared off smoothly, to prevent decay and to enable them to heal over by granulations during the growth of the tree. Then dip them in a bed of mud, which will coat over every part evenly, and leave no portion in contact with the air which accidentally might not be reached by the earth in filling the hole.

The use of water in setting the earth amongst



The wrong way to plant a tree

**Certificate of Inspection accompanies all shipments. Stock thoroughly fumigated before shipping**



The right way to prune a tree

will stand as it did when in the nursery, after the earth is settled, except Dwarf Pears, which should be planted deep enough to cover the Quince stock upon which they are budded 2 or 3 inches. Work the soil thoroughly among the roots, and when well covered tramp or ram firmly with post rammer. Set the tree firm as a post, but leave the surface filling (of poorer soil) light and loose. No staking will be required except with very tall trees. Never let manure come in contact with the roots.

branches be wet every evening regularly, about sun-down, with a watering-pot, and it will in nearly all cases bring them into active growth.

### SHORTENING-IN THE BRANCHES

However carefully trees may be taken up, they will lose a portion of their roots, and if the whole top is allowed to remain the demand will be so great upon the roots that in many cases it will prove fatal to the tree. To obviate this, then, it becomes necessary to shorten-in the branches, which should be done at the time of planting, and in a manner to correspond with the loss of roots. If the tree has lost the greater portion of its roots, a severe shortening-in of the branches will be necessary; if only a small portion of the roots have been cut off, more moderate pruning will be sufficient. Particular attention to this matter will save many trees that otherwise would perish.

### PLANTING

Fill up the hole with surface soil, so that the tree

### MULCHING

The value of mulching cannot be overestimated. It increases the fertility of the soil, protects the tree alike from drought and frost, and adds materially to the growth and vigor of young orchards. The trifling cost of material and labor, and the immense benefits derived, commend it to every one. Pine tags, straw, leaves, coarse manure, shavings or tan-bark may be used. Some of these may be procured by every one.

Remove the mulching from the stem of the tree during the winter, otherwise mice may harbor there and injure it.

We also advise removing the mulch several times during the growing season and loosening up the soil about the trees.

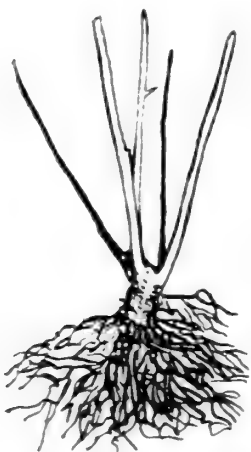
### CULTIVATING

When the transplanting is finished, many persons are under the impression that their work is done, and they can do nothing more for the tree; but this is a very mistaken idea. It is an important matter to have them well planted, but doubly important to have them well cultivated afterwards. Enveloped in weeds and grass, what plant can flourish? What farmer, for an instant, would think of raising a crop of Indian corn in the thick and tall grass of a meadow? Such an idea, he would at once say, would be preposterous. We will say that it is more impossible than the idea of raising a thrifty orchard under the same treatment. It is indispensably necessary that the ground should be well cultivated to obtain fine fruit. From the neg-

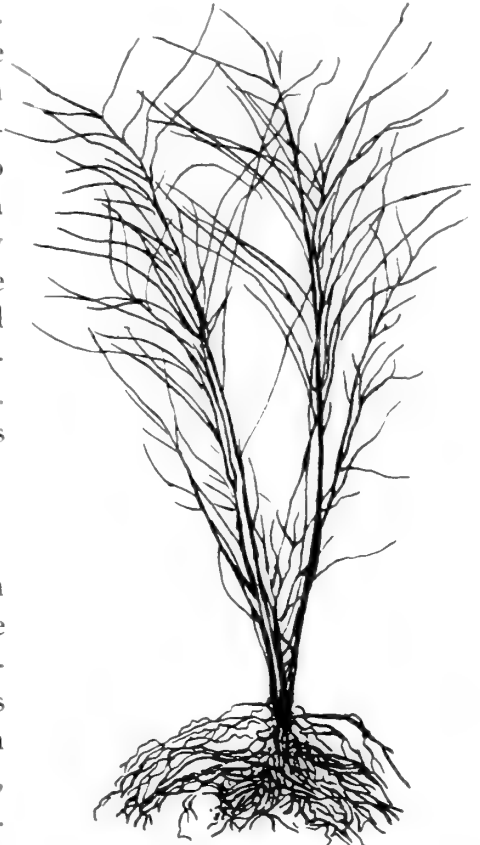
lect of this arises so much of the dissatisfaction of tree planters. Give to your trees for a few years a clean, mellow and fertile soil, and they will bend under copious loads of fine fruit, and yield to the cultivator his reward. The experiment only is enough to convince any one of the advantage of good culture. Dwarf Pears, more than any other tree, require a deep, rich soil and clean cultivation. In cultivating, great care should be taken not to injure the trees by rubbing the bark off, which will often happen if careless hands (or those that are not) use long single-trees. We use a singletree 18 inches, and always wrap the end and trace next to the row, and seldom bark a tree. The best tools are one-horse turn-plow (which every farmer or fruit-grower should have) and cultivator. We try to cultivate our nursery after every rain from April to October. The best crops for an orchard are those requiring summer culture—such as potatoes, beans, etc. Winter crops are little better than no culture. Rye is decidedly injurious.

### PRUNING

We recommend the greatest care and moderation in this operation, believing, as we do, that upon the whole there is more injury done by the use of pruning instruments in unskillful hands than would result from its entire neglect. Some of the objects sought are to diminish the thick growth, to increase the vigor of the branches, to admit light and air, and to form a well-shaped top. We are opposed to the too common practice of trimming trees as high as a man's head, leaving a long, naked stem, exposed to the ravages of insects and the deleterious effects of sun and wind, as well as other sudden and extreme changes of the atmosphere. If a tree be allowed to branch near the ground, its danger from these ills will be lessened, and it will grow much stronger and faster, bear more fruit, which will be more easily gathered, less liable to be blown down, and, we may add, every way better. If watched closely when young and growing, it will never become necessary to take off large limbs. Occasional



The same shrub properly trimmed for planting



A shrub as it is sent out by the nurseryman

pinching or cropping off of the ends of a branch to give the tree proper shape, and removing those that cross or crowd each other, will be all that will be needed by most trees. Peach trees would be greatly benefited by an annual shortening-in of the branches, say one-half of the previous year's growth; this may be done at any time after the fall of the leaf until the buds commence swelling in the spring. Dwarf Pears also need careful attention annually, to keep them in shape, by cutting back the rampant and straggling shoots; they should be pruned down instead of up, never allowing them to grow high; or the top will become too heavy for the roots, and increase the danger of blowing down.

### HOW TO WINTER TREES PROCURED IN THE FALL

The practice of procuring supplies of trees in the fall is becoming more and more general as each season demonstrates its wisdom. It is a more favorable time than spring, because of the colder weather, and the lighter pressure of business with nurserymen, the freighting companies, and the planter. Even when fall planting is not

desirable, by reason of severity of the climate, the stock may be procured in the fall, and thus be on hand ready for the opportune moment in the spring. To insure success, you have only to get the trees before freezing weather and bury them in the following manner: Choose a dry spot where no water will stand during the winter, with no grass near it to invite mice. Dig a trench, throwing out enough dirt to admit one layer of roots below the surface, and place the trees in it, inclined to an angle of forty-five degrees or more. Widen the trench, throwing the soil among the roots in position, firming well by tramping with foot; place another layer in the trench, reclining the tops on the others, and so on until all are in the trench; then finish by throwing up more soil until the tops of the trees are nearly or quite covered. It is also well to bank up the earth around the sides to insure more thorough protection. The exposed tops should then be covered with pine boughs, which insures them against any possibility of injury. Care should be taken to fill solid all the interstices among the roots. In the spring the roots will be found to have formed the granulation necessary to the production of new spongioles and when planted at the proper time will start to immediate growth.

### TREATMENT OF TREES COMING TO HAND OUT OF SEASON

It sometimes happens that trees are received in a frosted state; but if they are properly managed they will not be injured by it. Let the package be put, unopened, in a cellar, or some such place—cool, but free from frost—until it is perfectly thawed, when it can be unpacked, and either planted or placed in a trench until convenient to plant. Trees received in the fall for spring planting should at once be unpacked, and a trench dug in a rather dry, sheltering position, when the roots should be well covered. So treated, they will be preserved without the least injury until spring. If they should come to hand late in the spring, and appear much dried, plunge the bundle into a pool of water, there to remain for twenty-four hours, or more, if very much wilted, after which it should be unpacked, and the roots and half the stems should be buried in soil made quite wet by watering; there let them remain until the bark expands to its natural fullness, when they may be taken up and planted as before directed, and we will guarantee you a good reward for your labor.

### PLANT YOUNG TREES

We cannot too strongly recommend to our customers the procuring of young trees, especially for orchard planting, instead of selecting the largest that can be had, to secure a more immediate effect.

They can be taken up with more perfect roots, and will become sooner established in a new location. They can also be more readily trained to any desired shape. The largest and most successful planters invariably select young, thrifty trees, as the surest in the end to give thorough satisfaction.

For small grounds, or street planting, when it is necessary to make a show as soon as possible, large trees are often desirable, and when handled with care should not fail to do well; but with the general planter the average of loss will be much less, and both time and money will be saved if young trees are selected to commence with.



Rose bush as sent out by nurseryman and one properly trimmed for planting



THE GROWTH OF TREES

As many persons are acquainted with the varied growth of the different varieties of fruit trees, and are dissatisfied with the difference in appearance of their trees, we will briefly give a few examples, thereby hoping to avoid a most unpleasant difficulty sometimes taking place between the inexperienced purchaser and the nurseryman. For instance: were a customer to order a lot of apple trees, naming amongst them American Summer Pearmain, Tetofsky, Albemarle Pippin, etc., he would get some of the finest varieties under culture, but the trees would be small; consequently the nurseryman must suffer a severe lecture, and, next, his neighbors would be advised not to patronize that man, for his trees are too small. Should he order a lot of Summer Sweet Paradise, Summer Queen, Smokehouse, Winesap, and Roxbury Russet, he would get large, rapid-growing trees and choice fruit, but so crooked and twisted as again to displease the purchaser. But should he send for Bullock Pippin, Baltzley, Paradise, Baldwin, Horse, Yates, Dominie, etc., he would receive large, well-formed trees which would please his eye and no doubt cause him to advise his neighbors to purchase there, yet some of the fruit would be quite inferior to the other lists.

Distances for Planting

Standard apples.....	30 feet apart each way
Standard pears and strong-growing cherries.....	20    "    "    "
Duke and Morello cherries.....	18    "    "    "
Standard plums, apricots, peaches, nectarines.....	16 to 18    "    "    "
Dwarf Pears.....	10 to 12    "    "    "
Dwarf apples.....	10 to 12    "    "    "
Grapes, rows 8 to 16 feet apart .....	8 to 16 feet in rows
Currants and gooseberries .....	3 to 4 feet apart
Raspberries and blackberries .....	3 to 4 feet by 5 to 7 feet apart
Strawberries, for field culture .....	1 1/2 to 3 1/2 feet by 3 to 4 feet apart
Strawberries, for garden culture .....	1 to 2 feet apart

Number of Trees on an Acre

30 feet apart each way.....	50	10 feet apart each way.....	435
25    "    "    " .....	70	8    "    "    " .....	680
20    "    "    " .....	110	6    "    "    " .....	1,210
18    "    "    " .....	135	5    "    "    " .....	1,745
15    "    "    " .....	205	4    "    "    " .....	2,725
12    "    "    " .....	300	3    "    "    " .....	4,840

Rule.—Multiply the distance in feet between the rows by the distance the plants are apart in the rows, and the product will be the number of square feet for each plant or hill; which, divided into the number of feet in an acre (43,560), will give the number of plants or trees to the acre.

"Your agent, W. J. McDearmon, has been traveling here in the interest of your nursery, the Old Dominion, for about thirteen years, and his trade has increased every year. The stock which he sells always gives satisfaction; it is not cheap, trashy stock, but all first-class stock and worth the money he asks for it. There are plenty of your trees here to show for itself; they are true to name."—HENRY GRIEB, Jonesboro, Ill.

"I consider your trees far superior to those bought of any other nursery. Their growth is rapid and their early-bearing qualities remarkable. All my orders for trees shall certainly be placed in the hands of your agent, Capt. J. S. Coates, of whom I obtained my present assortment."—EDGAR L. WALDROPE, Raleigh, Va.

"I consider your nursery stock far superior to any I have bought or seen sent out to this country. I have tried other nurseries, but none gave the satisfaction that I have received from your trees, and now I will buy from no other."—REV. JAMES HUGHS, Mero, Va.

## Fruit Department

Since our last Catalogue was issued we have taken several varieties from our lists as not proving worthy of cultivation, and others we have taken from our descriptive list, as we consider that it was too large; but we shall still continue to grow them in limited numbers, and if any of these varieties do well in any particular locality we shall be able to furnish them, but advise to confine your list to the descriptive kinds.

### Select Apples

The first fruit, both in importance and general culture, is the Apple. Its period, unlike that of other fruits, extends nearly or quite through the year. By planting judicious selections of summer, autumn and winter sorts, a constant succession can be easily obtained of this indispensable fruit for family use.

As fruit has become cheaper on account of the increased supply, a large and constantly increasing European demand has sprung up, which affords highly remunerative prices for the best selected specimens for our orchards, while the new process of evaporation of fruit has become a recognized auxiliary to the horticulture of the land. With the immense consumption by this process of evaporation, it may be doubted if Apple orcharding will ever in any season, be less than highly remunerative. All the surplus of orchards, all "windfalls" and defective specimens, can at once be gathered and sold at a fair price to the evaporating establishments, which now exist in almost every town in all fruit-growing sections.



2-year-old Apple Tree

#### Summer Varieties

**American Summer.** (American Summer Pearmain.) Medium size, oblong, nearly covered with streaks and dots of red; flesh tender, juicy, with rich subacid flavor; fine. Tree a slow grower, but bears early and abundantly. Continues in use for several weeks. Last of July and Aug.

**Benoni.** Medium size, round, deep red; flesh yellow, tender, subacid. An excellent Apple. July.

**Bough.** (Sweet Bough.) Large, roundish, sometimes conical; pale yellow; flesh white, very tender, with an excellent, sweet flavor. Tree moderately vigorous and very productive. July.

**Carolina June.** (Carolina Red June.) An early bearer and very productive. Fruit medium size, dark crimson; flesh white, very tender, fine-grained, juicy, subacid. June and July.

**Early Colton.** One of the best early Apples, ripening with the old Early May, some ten days before Early Harvest, and continues to ripen for two or three weeks, which makes it a valuable family Apple. It is of beautiful appearance, medium size, yellowish white, with a tint of crimson where exposed to the sun.

**SUMMER APPLES, con.**

**Early Harvest.** Rather round, yellow; flesh nearly white, tender, juicy, crisp, with a rich, sprightly, subacid flavor. Tree a moderate grower and very productive. It has no superior among early Apples. June and July.

**Early Red.** Very valuable Pennsylvania Apple, which we have thoroughly tested here. Fine size, beautiful showy red color. An immense and sure bearer; ripens through a long period of time. A first-rate shipper and good seller in the market; ought to be in every orchard. Ripens from middle to last of July.

**Early Ripe.** This fine Apple, coming as it does immediately after the Early Harvest, fills a want long felt by the orchardist. Its large size, handsome appearance and good bearing qualities combine to make it the most profitable market variety of its season. The tree is hardy and of vigorous growth. Fruit large, yellowish white; flesh juicy, fine for the table or cooking. First of July.

**Fanny.** Medium to slightly above, covered with two shades of red; handsome. Tree a fine, upright strong grower and good bearer. A week or ten days later than Early Ripe; fine quality. A profitable variety.

**Fourth of July.** Valuable for cooking and market. Fruit medium, roundish oblate-conical, slightly ribbed; whitish yellow, striped and splashed with bright red. It has been thoroughly tested, and found to be one of the very best early Apples. Matures early in July.

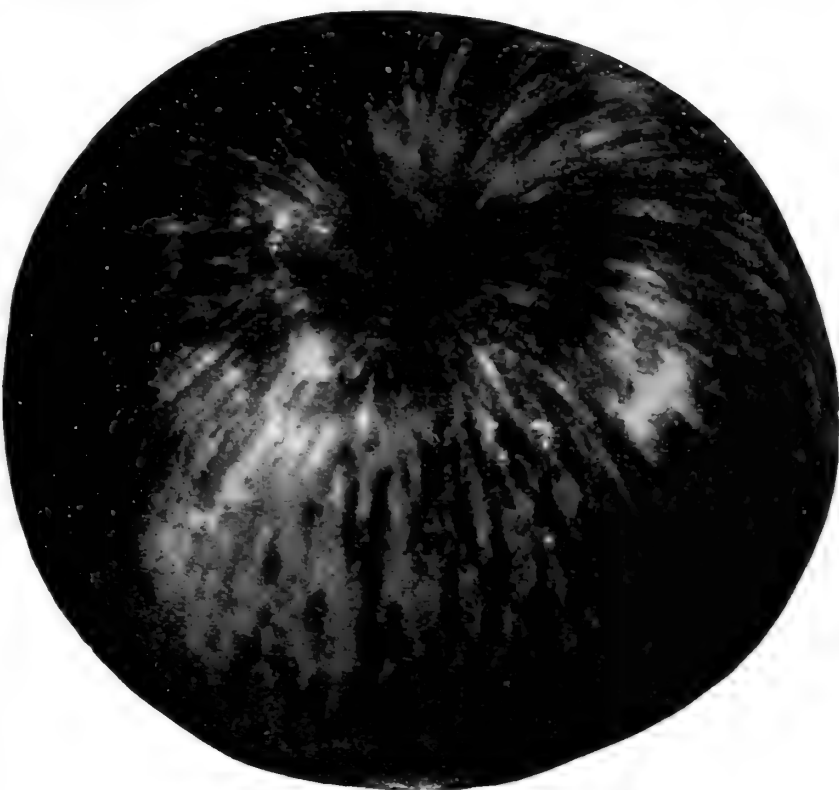
**Gravenstein.** Large, roundish, striped with red; flesh tender, juicy, very rich, with subacid, high flavor. Productive, handsome and excellent; fine in all localities. August.

**Golden Sweeting.** Rather large, rich yellow; flesh juicy, tender, sweet. One of the best sweet Apples; very popular variety. August.

**Horse.** Large, yellow; flesh coarse, subacid. Tree vigorous. Fine for cooking and for market; very popular South. August.

**Jonathan of Eastern N. C.** Large, white; subacid. Very popular. September.

**Jefferis.** Best Apple of its season. First sent us from Adams Co., Ill., where "it's the finest Apple known." Medium size,



**Duchess of Oldenburg Apple**

striped, splashed, marbled red. Very tender, juicy, with a rich, mild, very pleasant subacid flavor. Quality best, for either dessert or kitchen. Core very small. Has borne with regularity very heavy crops. Large grower; hardy, healthy, long-lived. August, September.

**Maiden's Blush.** Rather large, oblate, smooth, regular, with a fine, evenly shaded red cheek or blush, on a clear pale yellow ground; flesh white, tender, sprightly, with a pleasant subacid flavor. This variety forms a handsome, rapid-growing tree, with a fine spreading head, and bears large crops. August to October.

**Oldenburg.** A Russian variety of very handsome appearance and great value. Tree very hardy, vigorous, and an abundant bearer. Fruit medium to large, golden yellow, nearly covered with streaks of crimson; flesh tender, juicy, pleasant. A valuable variety for the market. August.

**Red Astrachan.** Rather large, approaching conical, covered with deep crimson, overspread with a thick bloom; flesh juicy, rich, acid. From its earliness, handsome appearance, and the vigor of the tree and its excellent culinary qualities, it is worthy of general cultivation. July.

**South Carolina Summer.** A seedling of Buff. Size medium to large, color bright red; flesh white, firm and crisp, very juicy, rich. The Apple is high-colored and as bright as if varnished, and we know of no other variety as showy at the same season. The surest bearer we know of;

**SUMMER APPLES, continued**

two-year-old trees have produced full crops in the nursery row; when other varieties fail, the South Carolina Summer produces fruit. It ripens, where it originated, in Spartanburg county, S. C., from June 15 to the middle of August. Introduced by us.

**Summer King.** The finest of its season. Fruit above medium to large, beautifully striped and covered with two shades of red; flesh tender and very fine in quality. Season August.

**Summer Rambo of Pennsylvania.** Large to very large, round, somewhat flattened, yellow and beautifully striped with red; flesh tender and rich, with a mild subacid flavor. August and September.

**Yellow Transparent.** Of Russian origin. It ripens fully ten days in advance of Early Harvest. Size medium, light transparent lemon-yellow, smooth waxen surface; flesh white, melting, juicy, and of excellent quality; for an early Apple an exceptionally good keeper and shipper. Tree a free, upright grower, prolific, and a remarkably early bearer.

**Autumn Apples**

**Alexander.** Tree vigorous. Fruit very large, regularly formed, conical; skin greenish yellow, faintly streaked with red on the shaded side, but orange, brilliantly streaked and marked with a bright red in the sun; flesh yellowish white, crisp, tender and juicy, with a pleasant flavor; good. September to December.

**Bonum.** Medium, oblate; color light to dark red; flesh yellow, firm, breaking fine-grained; flavor rich, subacid; first quality for dessert. A most excellent Apple; originated in North Carolina; deserves more general attention. September to December.

**Buckingham, or Winter Queen.** Large to very large, greenish yellow, mixed and striped with crimson or purplish red; flesh yellowish, breaking, tender, juicy, mild, sprightly, subacid. A handsome healthy tree; comes into bearing very early, and very productive. This Apple is cultivated over a great portion of the southern and western states, and is everywhere very profitable and popular, succeeding in almost every locality. We consider it one of the most valuable sorts. October to January.

**Fall Pippin.** Very large, roundish oblong; yellow, rich and excellent. Tree vigorous and a fine bearer. Esteemed

everywhere; in the valley of Virginia it is very popular as an early winter Apple. September to December.

**Fall Cheese, or Fall Queen.** Virginia Apple; very popular. Size large; green, beautifully striped with red; flesh white, subacid flavor, and rich aroma. Tree a vigorous grower and very productive. September to December. Popular in Albemarle county, Va.

**Fallwater.** Large, greenish yellow, with dull red cheek, slightly conical; juicy, subacid. Vigorous grower and very productive. Worthy of general cultivation. November to February.

**Mother.** Medium in size; beautifully covered with red, and somewhat striped; flesh rich and fine. A great favorite. One of the best of its season. Last of August and first of September.

**Mangum.** (Summer or Small Fall Cheese). Medium, oblate; yellow, shaded and striped with red; flesh yellow, very tender, crisp, juicy, rich and aromatic; very fine; prolific and a compact grower. Season late autumn.

**Rebel.** We unhesitatingly claim this to be the prettiest Apple that grows, and in quality it does not fall a particle below its beauty. Large size, round, bright, clear red on yellow ground, covered with a fine bloom; flesh yellowish white; rich, with an agreeable mingling of the saccharine and acid. Origin, Rappahannock county, Virginia. October to February.

**Smith's Cider.** Rather large; greenish white, striped with red; flesh tender, juicy, with a mild, subacid flavor; a prodigious bearer and profitable market variety. October to February.

**Smokehouse.** Fruit large, oblate, striped with red on yellow ground; flesh yellowish white, firm, juicy, crisp and rich, with a fine, aromatic, subacid flavor; unsurpassed for culinary purposes; productive. September to December.

**Wine Apple.** (English Redstreak, Hays' Winter). A valuable late autumn or early winter Apple; fruit large, skin yellow, more or less covered with mixed and broken stripes of red, splashed with crimson; flesh yellowish, firm, juicy; flavor acid to subacid, rich; quality good. October to December.

**Wealthy.** From Minnesota. Fruit medium, oblate; whitish yellow ground, shaded with deep, rich crimson in the sun; flesh white, fine-grained, tender, juicy, lively, vinous subacid. We have fruited this variety for the past five years, and we consider it one of the best for market and home use. Bears young and abundantly. September.



## Winter Apples

**Albemarle Pippin.** Perhaps no Apple stands higher in the market than this, or brings as high a price; yet others may be more profitable to the grower. It succeeds finely in the Piedmont region, and in many parts of the valley of Virginia, though in poor, cold soils it will not succeed. It needs a deep, warm soil to bring it to perfection. Where it does well we would still advise planting it largely for market. Fruit large, round, lop-sided, ribbed and irregular; surface smooth, yellowish green, sometimes bronzy, becoming yellow when ripe; flesh yellow, firm, brittle, juicy; flavor acid, rich, agreeable. January to April.

**Ben Davis.** Originated in Kentucky. Tree remarkably healthy, vigorous, and an abundant bearer; fruit large, handsome, striped; flesh whitish, tender, juicy, subacid; a very profitable market variety. Keeps till midwinter, or later.

**Berry Red.** Medium to very large; color dark bright shining red; form oblate; flesh cream color; quality good; flavor excellent, and retained through its long keeping season; subacid, rich, juicy. As a market variety and a long keeper it is second to none which makes it very valuable. The parent tree has borne annual crops for eighty years.

**Baldwin.** An old Northern winter Apple. Large, red; flesh yellow and rich. No good in the South except in the mountains.

**Delaware Red Winter.** Color a beautiful red; medium in size; subacid and juicy; keeps till June, or later; tree vigorous and good bearer, productive; good keeper.

**The Dickinson.** Seedling of Belleflower. The fruit is large to very large, ovate inclining to conical; covered with faint streaks of marblings of red, deepening on the sunny side to dark red; flavor mild, subacid, abounding in juice; especially pleasant and agreeable; quality very good to best. Season, January and February."

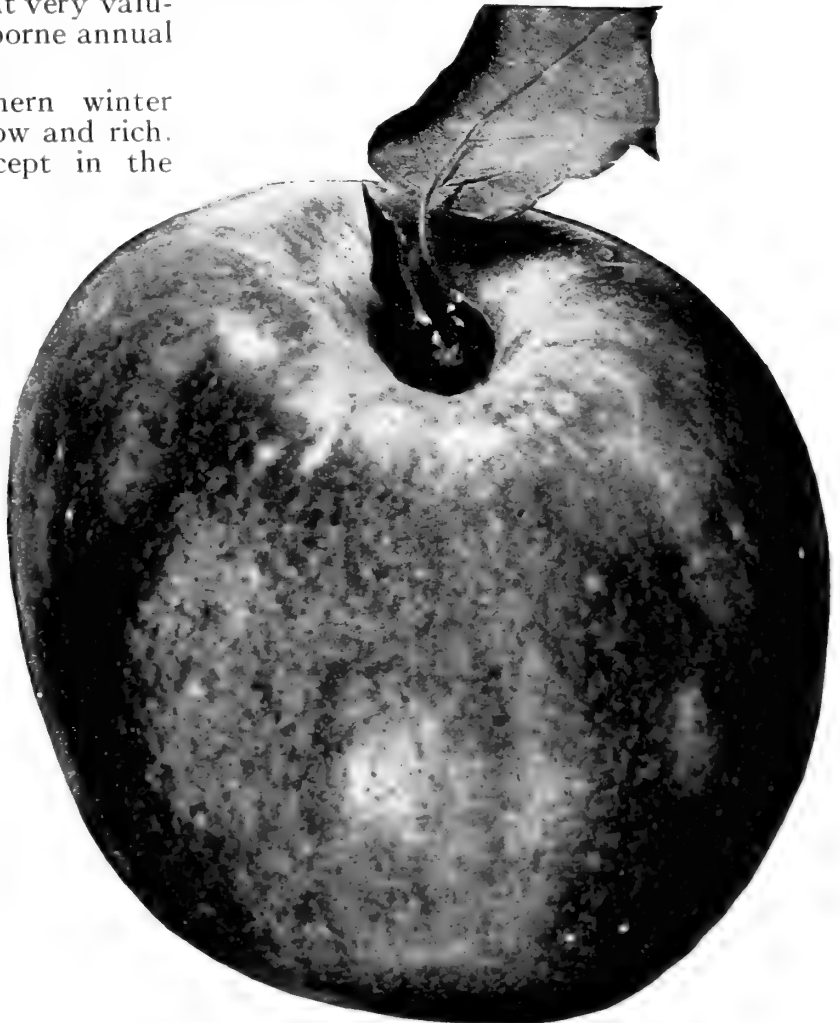
**Grimes' Golden.** Medium, rich golden yellow; crisp, tender, juicy, with a peculiar aroma; good grower and early bearer; very popular. November to March. One of the highest class Apples grown.

**Gano.** Tree very healthy, vigorous, very hardy; an early, annual and prolific bearer; color bright red on yellow ground; large; flesh white, fine-grained, mild subacid. Close kin to Ben Davis; same season.

**Johnson's Fine Winter, or York Imperial.** Medium size, truncated oval, angular; skin greenish yellow, nearly covered with bright red; flesh tender, crisp, juicy, aromatic; an enormous bearer, and hangs well on the tree. It is also a good keeper, retaining its flavor to the last. We cannot say too much in favor of this Apple. It is scarcely second to any in the Catalogue as a profitable orchard variety. Oct. to April.

**Jonathan.** Fruit medium or small, roundish; skin yellow, nearly covered with dark or lively red; fine grained, very tender and finely flavored. November to April. Classed with Grimes' Golden as the two best dessert Apples.

**Justice.** This Apple, introduced by us, originated in Wayne county, W. Va., where it is prized as one of the best. Fruit very large; skin yellow, with heavy blush on sunny side, rather thick, smooth surface. It has a delicious flavor, subacid and is known to keep until the following July. Specimens of same have weighed as high as twenty-six ounces.



Johnson's Fine Winter, or York Imperial Apple

## WINTER APPLES, continued

**Kinnard's Choice.** Fruit medium to large, roundish oblate; skin yellow and covered with dark red or crimson; flesh yellow, fine-grained, tender, rich, juicy, almost aromatic; most excellent. No Apple grown is of better quality. Tree vigorous and bears young; is thought to be a seedling of Winesap and is worthy of such parentage.

**Limbertwig.** An old southern Apple; medium size, dull red color; subacid and of rich flavor; good grower, bearer and keeper. January to April.

**Lankford's Seedling.** Origin, Kent county, Md. Tree hardy and a good bearer, bearing annual crops; fruit of large size, striped; quality excellent; keeps until April.

**McCuller's Winter.** Originated in Wake county, North Carolina, and is one of the best keepers yet introduced; succeeds well in all eastern North Carolina, and in the sand hills of Moore and Harnett counties it seems to be at home. It is peculiarly suited to the eastern half of North Carolina and similar sections throughout the cotton belt. Size medium, dark and light red; quality good when fully matured; a very young and extremely prolific bearer. Season, January to March.

**Mammoth Black Twig, or Paragon** (Arkansas, of Arkansas). Tree very vigorous, hardy and productive; roots much stronger than Winesap; has larger leaves and twigs a shade darker; fruit about the

same color as Winesap but larger; flavor fully equal to Winesap; believed to be a better keeper.

**Mason's Stranger.** Originated in Greenville county, Virginia. Medium size; color yellow, with russet dots on one side; flesh white, juicy and crisp; flavor nearly sweet; keeps through winter into spring; tree moderately thrifty and a good bearer. We recommend this as one of the best. January to March.

**Morgan's Christmas.** Our attention was brought to this promising Apple, January, 1888, by Prof. Adin L. Rucker, of Rutherfordton, N. C., who sent us specimens at that time, and we made arrangements with the owner for the right to propagate it. Prof. Rucker describes it as follows: "Medium to large, is somewhat flattened at the ends; color rather peculiar, at the stem being dark red or black, which fades to yellow below the center to blossom end; but its crowning excellence is its flavor. I have never eaten any other Apple to equal it in its season." December to March.

**Dixie** (Mosby's Best Red Winter, or Lowry). "This Apple is a native of Piedmont, Va., and is worthy of general cultivation, as evidence of which I have affixed my name, believing that unborn generations will be grateful to me for propagating and widely disseminating a real gem. I want to sell this Apple to my best friends, and to as many of them as possible. This Apple averages larger than the Winesap, and keeps longer. Color, beautiful red on yellow ground. Flavor, nearly sweet very slightly acid, delicious. Will ship well and sell at a fancy price as a dessert Apple in any market. The tree is a rapid grower, healthy and vigorous; comes into bearing very young, and has no off year." Introduced by A. F. Mosby.

**Nansemond Beauty.** From Nansemond county, Va.; said to excel the Winesap in beauty, size and keeping; its uniform size and handsome appearance render it a desirable sort for marketing. The fruit is large, uniform, of a beautiful crimson-red, somewhat shaded with yellow; flesh quite white, crisp, tender, juicy.

"I received trees yesterday (December 2) in good shape. I am highly pleased with them; think they are fine. Want more in the spring."—T. L. REEVES, Rappahannock Academy, Va.



Rome Beauty Apple

**WINTER APPLES, con.**

**Northwestern Greening.** A Wisconsin seedling of great value; has stood the most trying tests and found to be equal to Wealthy in point of hardiness, but superior in fruit and keeping qualities; large, smooth, greenish yellow; flesh fine-grained, juicy, firm; good quality; thoroughly tested. January to April.

**Northern Spy.** Large, conical, flattened; striped and quite covered on the sunny side with dark crimson, and delicately coated with bloom; flesh white, fine-grained, tender, slightly subacid; both leaf and blossom buds open a week later than most other sorts. An Apple of very high character, but we cannot advise its planting south of Pennsylvania, except in mountain regions. November to February.

**Paradise Winter Sweet.** Large, regularly formed, roundish; skin fair and smooth, dull green when picked, with a brownish blush; flesh white, fine-grained; juicy, sweet, sprightly and very good; productive; an excellent Apple; well worthy a place in the orchard. November to February.

**Roberson.** Size large, roundish, slightly oblong—as large as the Albemarle Pippin; color rich yellow, covered with red, and shaded with deep red; flesh yellowish, crisp, juicy and well flavored; slightly subacid; tree a vigorous grower and abundant bearer; season from January 1 to June; origin, Patrick county, Va.

**Roxbury Russet.** Rather above medium size, roundish, oblate, remotely conical; skin covered with russet; flesh greenish white, rather granular, slightly crisp, with a good subacid flavor. November to January.

**Royal Limbertwig.** Very large, pale yellow, blushed or striped with red; flesh juicy, rich and very good; tree a thrifty grower and bears well. December to March.

**Rawle's Genet.** Tree moderately vigorous, putting forth its leaves and blossoms



**Northwestern Greening Apple**

much later than other varieties in the spring, consequently avoiding injury by late frosts; it is therefore particularly valuable for the South and Southwest. Fruit medium; color pale red. January to April.

**Rome Beauty.** Large, yellow, striped, and mixed with light red; flesh yellow, breaking coarse-grained, subacid; valuable for market on account of its productiveness, size and beauty, as well as for its certain bearing. November to January.

**Shockley.** From Jackson county, Ga. Fruit medium size, yellow, with crimson cheek; flesh subacid, nearly sweet; tree erect, vigorous grower; comes into bearing early and is exceedingly productive. This is probably the most reliable and valuable winter variety for the South, and is there justly very popular. Valuable in eastern Virginia and lower Maryland. Keeps till May or June.

**Stark.** Esteemed in Ohio as a long keeper and valuable market fruit. Fruit large, roundish; skin greenish yellow, much shaded with light and dark red, and sprinkled with brown dots; flesh yellowish, juicy, mild subacid. January to May.

"I consider your nursery stock far superior to any I have bought or seen in this locality. I have some trees from other concerns which do not compare with the ones I bought of you. Wishing you success, I remain, yours truly, JNO. W. POWERS, Isis, Va."

**WINTER APPLES, continued**

**Stayman's Winesap.** J. W. Kerr, of Denton, Md., says: "It is one of the finest Apples under cultivation, so much superior to its parent—the old Winesap—in size, flavor, color and keeping qualities, as to completely crowd it out where both are known. It originated with Dr. Stayman, of Kansas, and was in bearing with me ten years ago. Its merits were so pronounced from the first as to warrant strong commendation. From my oldest trees specimens have been exhibited at county fairs and horticultural meetings, and sent to many pomologists and many prominent growers. It is now attracting attention everywhere as a profitable market variety. It has large size, bright red color, great productiveness and best quality to commend it. The tree is a vigorous grower, and, like its parent, is irregular and drooping in habit, and adapts itself readily to different soils and situations. Truly it is a great Apple."

**Terry** (Terry Winter). Originated in Fulton county, Ga., similar to Yates and of the same family of Apples, which have proven to be so valuable in the cotton belt of the South, where they ripen late and keep well. Fruit medium in size; flesh yellow and of fine quality. Tree is an up-

right grower, inclined to overbear, and, for best results, should be kept pruned back and fruit thinned. Color yellow, washed with mixed red, and striped and splashed with crimson.

**Virginia Beauty.** Very popular in Southwest Virginia, where it has been grown for the past thirty years or more. Medium to large, very dark red; subacid. Very valuable on account of its fine keeping qualities. We have been growing this variety for twenty-five years for the Southwest Virginia trade, but think it should be planted more freely in other sections. November to March.

**Winesap.** Fruit medium size, rather oblong; skin smooth, of a fine, dark red, with a few streaks and a little yellow ground appearing on the shady side; flesh yellow, firm, crisp, with a rich, high flavor. November to March.

**Wolf River.** An Apple peculiarly adapted to the West on account of its extreme hardiness; very large and handsome; flesh whitish, juicy, subacid; a good bearer and a long keeper.

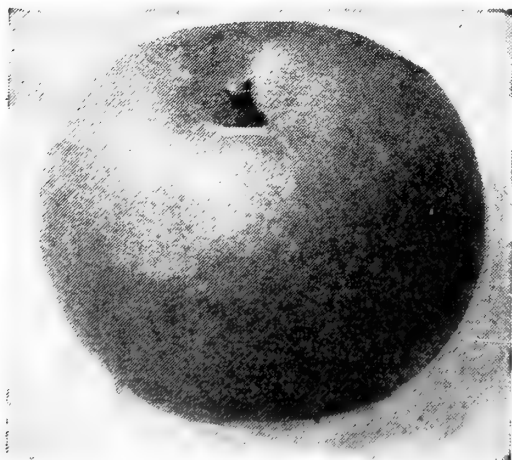
**Yates.** A Georgia variety of small size, dark red, and dotted with white dots; flesh firm, juicy, aromatic; immense bearer and good keeper.

**Additional list of Apples we grow in limited numbers**

Abram	Early Strawberry	Milam	Rambo
A. G. Russett	King	Missouri Pippin	Summer Rose
Arkansas	Ladies' Sweet	Peck's Pleasant	Summer Queen
Belleflower	May	Pilot	Summer Hagloe

**CRAB APPLES**

The Crab Apple is valuable for preserving, jellies, cooking and cider, and some varieties are also desirable for table use. They are often planted for ornamental trees, being covered in spring with lovely fragrant blossoms, while in the summer and fall the fruit makes a handsome appearance on the tree. They will flourish in almost any soil and climate, come into bearing very early, and are very productive. We give below the most valuable sorts.



Transcendent Crab Apple

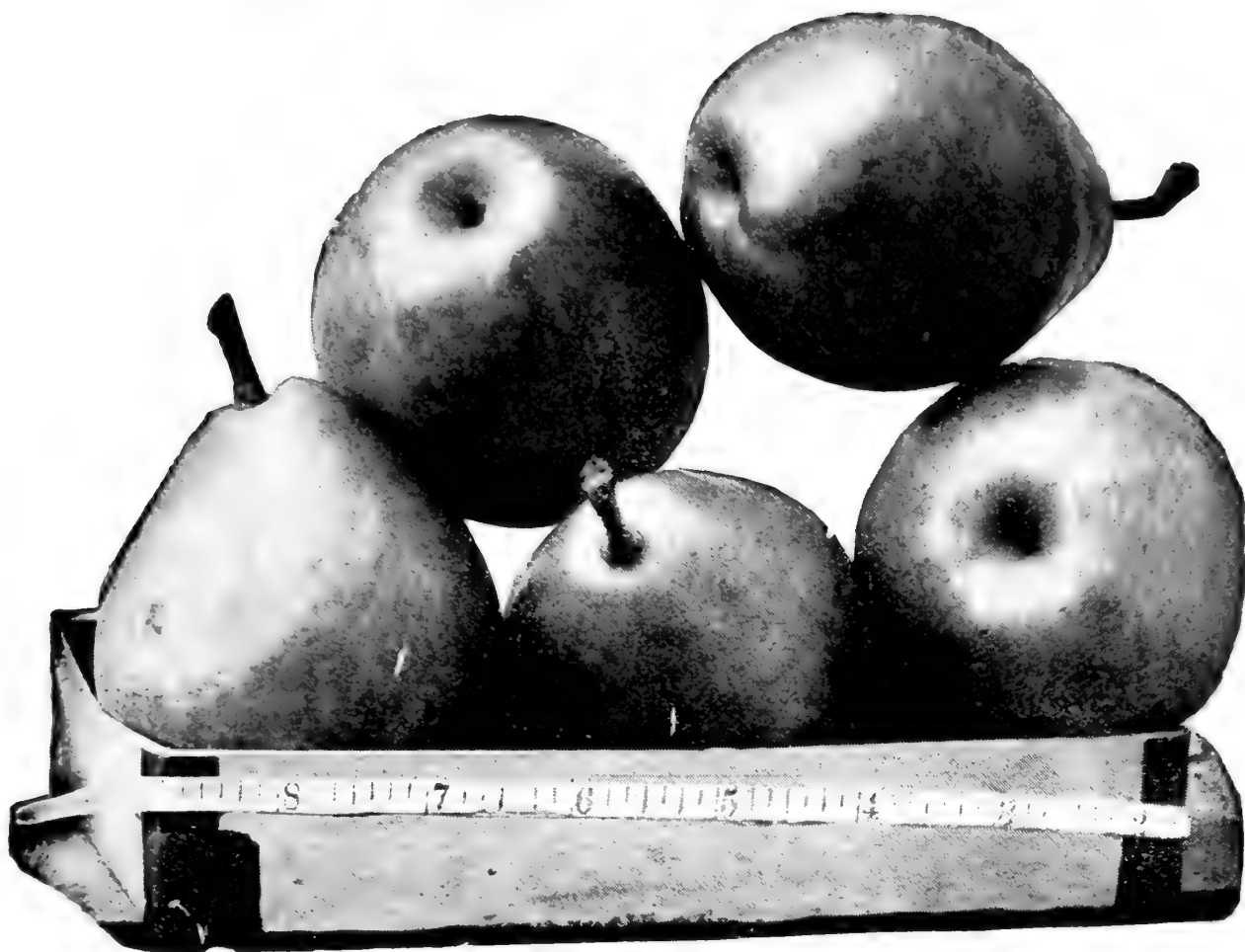
**Hyslop.** Fruit large for its class, produced in clusters; dark rich red, covered with a thick blue bloom. Good for culinary uses and for cider.

**Transcendent.** Fruit large for its class; golden yellow, with a beautiful rich crimson cheek; when ripe the red or crimson nearly covers the fruit; flesh creamy yellow, crisp, subacid, pleasant and agreeable. Tree a rapid grower and productive. September.

**Whitney.** (No. 20). Large, striped and splashed with red; flesh yellow to white, firm, juicy, with a pleasant subacid flavor. Hardy, vigorous, productive. August.

**Yellow Siberian.** Large, and of a beautiful golden yellow color. Tree vigorous. September.





Le Conte Pears (see page 18)

## Select Pears

The cultivation of this noble fruit is extending as its value is appreciated. The range of varieties is such that, like apples, they can be had in good eating condition from July until early spring.

The melting, juicy texture, the refined flavor and the delicate aroma of the Pear give it rank above all other fruits except the grape.

But the Pear, like most things highly desirable and valuable, cannot be had without attention, labor and skill. The relative price of the apple and the Pear being about as one to ten, show at the same time the superior value of the latter and the greater skill required to bring it to perfection.

One of the most important points in the management of Pears is to gather them at the proper time.

Summer Pears should be gathered at least ten days before they are ripe, and autumn Pears at least a fortnight. Winter varieties, if they will hang so long, may be left until the leaves begin to fall.

At the present time the demand is for choice fruit; inferior fruit brings scarcely a remunerative price, but the best will always pay well. Pears should have the best kind of cultivation; the fruit should be thinned so as not to over-produce. Care should be used in selecting for market only the best specimens, and with such effort and system on the part of the grower there will always come a satisfactory profit.

The Pear succeeds on most soils, but does best on a rather heavy loam. Budded on its own stock it makes a standard tree, and on the French or Angers quince a dwarf—the former being best adapted to large, permanent orchards; the latter (requiring garden culture and severe pruning every year) to smaller orchards, fruit yards and gardens.

Dwarfs must always be planted sufficiently deep to cover the junction of the Pear and quince two or three inches—the soil made rich and well tilled, and about one-half of the previous summer's growth cut off each spring. Under this treatment dwarfs

## PEARS, continued

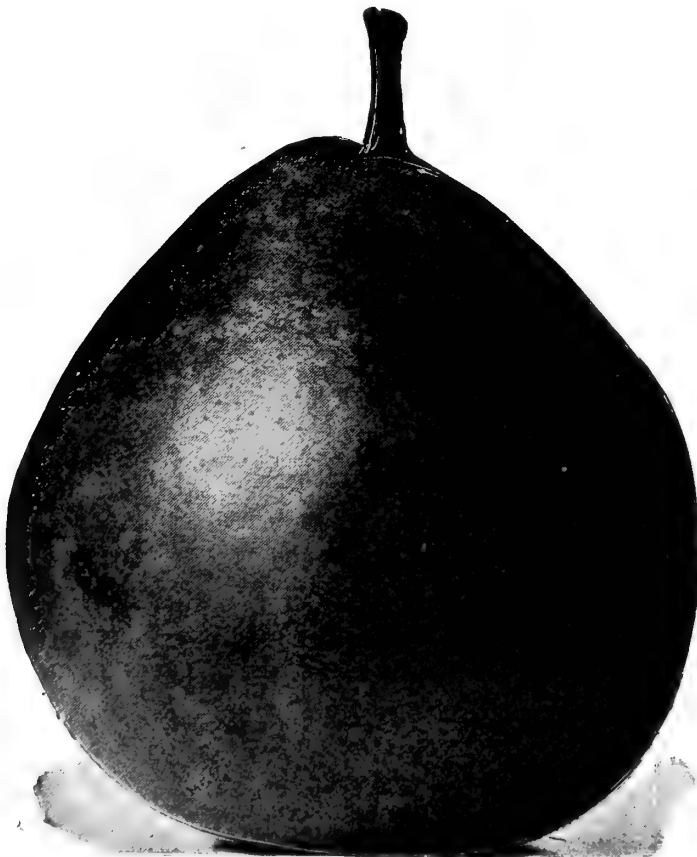
are everywhere successful. The side branches should not be removed higher than one foot from the ground in Dwarfs, while Standards may be trimmed to the height desired. Train in pyramidal form. Ripen the fruit in the house. Gather when, on gently lifting the fruit, the stem will readily separate from the limb. Place in a dark room until fully matured. Winter Pears may hang on the trees until there is danger from frost, then place in a dry cellar for maturing.

**Early Pears**

**Bartlett.** Large, yellow, with a soft blush on the sunny side; flesh white, exceedingly fine-grained and buttery, sweet, very juicy, with a highly perfumed, vinous flavor. This is justly esteemed one of the very best Pears in cultivation; bears early and well. July and August.

**Boykin's June.** Below medium size; yellow with a reddish brown cheek; flesh white, sweet, not of high flavor, but its earliness and handsome appearance make it a desirable market variety; originated in Isle of Wight county, of this state. Season first to middle of July.

**Clapp's Favorite.** A first-rate early variety, which is rapidly growing into favor; resembles the Bartlett in appearance, but ripens a week or ten days earlier; one of the best native sorts; fruit large; skin smooth, yellowish green, becoming yellow, dotted and shaded with red next the sun; flesh yellowish white, juicy and melting; of very good quality. Last of July.



Early Harvest Pear

**Comet, or Lawson.** This Pear is now attracting a good deal of attention, and promises to be a profitable sort for the early market. The tree is a vigorous grower and very productive; fruit above medium size and of most beautiful crimson color on yellow ground; flesh crisp and pleasant, though not of best quality. Ripens early in July.

**Early Harvest.** This remarkable Pear is one that deserves to be universally planted. Tree is a very thrifty grower and good bearer; the very earliest of the large Pears; a month earlier than Clapp's or Bartlett. In the orchard and nursery the trees have been free from blight.

**Koonce.** Tree a vigorous grower and a heavy and annual bearer. One of the earliest Pears of any size. We have not fruited it, but it comes highly recommended from southern Illinois. From samples received we do not class it as first quality, but its size and handsome appearance will make it sell as an early market Pear.

**Le Conte.** Supposed to be a hybrid between the old Chinese Sand Pear and a cultivated variety. Fruit large, pyriform; skin smooth. Tree of remarkable vigor and rapid growth; foliage luxuriant; has so far been nearly free from blight. Commences to bear early and is extremely prolific. Quality variable. Ripens a few days before Bartlett. Grown only as a standard.

**Summer Doyenne.** (Doyenne d'Ete.) Small; flesh white, melting, juicy, with a pleasant, sweet flavor. Tree a good grower and productive. One of the best very early Pears. First to middle of July.

**Wilder.** Disseminated by C. A. Green, Rochester, N. Y., and described as one of the earliest to ripen, about with Summer Doyenne and Alexander peach; not fruited South at this date. The following good points are claimed for it: Earliness, superior quality, does not rot at the core, handsome appearance and vigor of the tree.

"Seven or eight years ago I bought a lot of trees from W. T. Hood & Co., and found them all true to name and fine fruit. If I ever need any more I want them from W. T. Hood & Co."—WALTER VINCENT, Dongola, Union Co., Ill.

## Summer and Autumn Pears

**Angouleme.** (Duchesse d'Angouleme.) Very large, dull greenish yellow, streaked and spotted with russet; flesh white, buttery and very juicy, with a rich and very excellent flavor. On young standard trees the fruit is variable, but on the quince, to which stock this variety seems well adapted, it is always fine. The large size and fine appearance of this fruit make it a general favorite. Sept. to November.

**Anjou.** (Beurre d'Anjou.) Large greenish, sprinkled with russet, sometimes shaded with dull crimson; flesh whitish, buttery, melting, with a high, rich, vinous, excellent flavor. Very productive; succeeds well on the quince. Should be in every orchard. September to Nov.

**Brignais.** (Beurre de Brignais, Des Nonnes.) This very excellent Pear is of medium size, smooth, greenish, with numerous gray dots; flesh white, very juicy, sweet, melting and delicious; early. August and Sept.

**Buffum.** Medium size; yellow, with a broad reddish brown cheek, somewhat russeted; flesh white, buttery, sweet, and of excellent flavor; valuable for its fair fruit and fine bearing qualities. September and October.

**Flemish Beauty.** Large, skin pale yellow, but mostly covered with marblings and patches of light russet, becoming reddish brown at maturity on the sunny side; flesh yellowish white, not fine-grained, but juicy, melting, saccharine and rich. In good soils and open situations the Flemish Beauty, when in perfection, is one of the most superb Pears; the tree is hardy and bears early and abundantly. September.

**Garber's Hybrid.** Tree an upright grower, with heavy dark green, glittering foliage, which is nearly or quite free from blight; fruit as yellow as an orange, larger than Kieffer, better in quality and four weeks earlier. September. Origin, Pennsylvania. Not fruited South.

**Howell.** Rather large; light waxen yellow, often with a finely shaded cheek, and covered with dots and patches of russet;



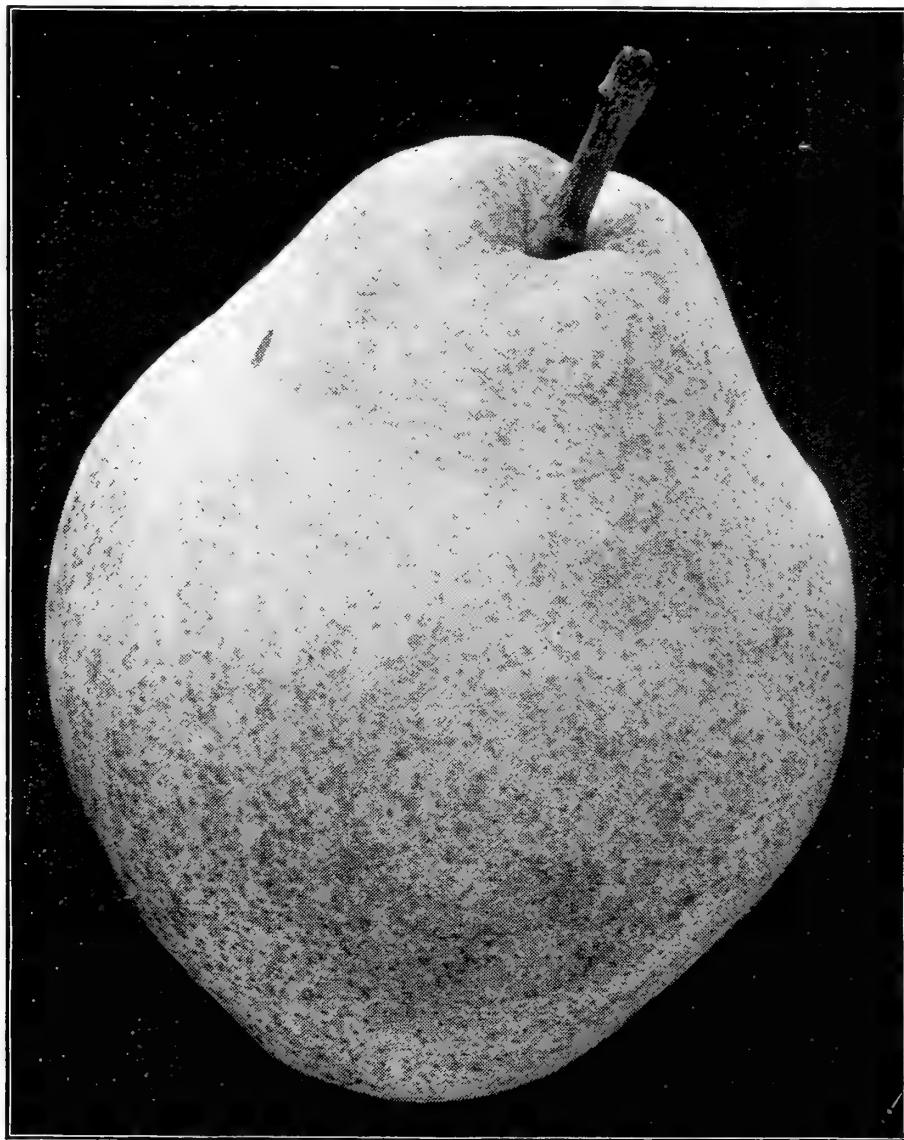
Anjou Pear

flesh white, rather coarse and granular, with a rich, perfumed, aromatic flavor; a profuse bearer. August.

**Japan Golden Russet.** The tree is a luxuriant grower, with an abundance of thick, tough, leathery foliage, enabling it to endure great heat and drought without injury. Fruited with us this year in nursery row (two-year-old trees). It is an extremely early bearer, and bears enormously every year. Ripens in September.

**Seckel.** Small; skin brownish green at first, becoming dull yellowish brown, with a lively russet-red cheek; flesh whitish, buttery, very juicy and melting, with a peculiarly rich, spicy flavor and aroma. This variety is pronounced by good judges as the richest and most exquisitely flavored known, and we may add to this that the tree is the hardiest and healthiest of all Pear trees, forming a compact and symmetrical head, and bearing regular and abundant crops at the ends of the branches. It ripens gradually from the middle of August to the middle of September.

"My orchard is considered one of the finest in the county, which fact is due to my having obtained the trees of you, through your agent, Capt. J. S. Coates. In traveling through the county, your stock can easily be distinguished by its thrifty appearance and quickness to produce fruit."—GEORGE W. STANLEY, Negro, Virginia.



Kieffer Pear

**SUMMER AND AUTUMN PEARS, con.**

**Worden-Seckel.** A seedling of the Seckel, equally as good in flavor and quality, but far superior in size, color and beauty. It is an upright grower, abundant bearer, and ripens a little later than Seckel. Originated in Oswego county, N. Y.

**Winter Pears**

**Dewey's Premium.** It originated at Marietta, Ohio, and the introducer, who is a fruit-grower well known in that section, claims that it is entirely blight-proof, hardy, and an annual bearer. A large, fine and showy fruit. November to January.

**Kieffer.** Originated near Philadelphia, and supposed to be a cross between the Chinese Sand Pear and the Bartlett. Tree a very vigorous grower; an early and

abundant bearer. Fruit medium to large; skin yellow, with a bright vermilion cheek; flesh brittle, very juicy, of good quality. Valuable for market or family use; succeeds best as a standard. As a late fall Pear there is no variety as yet disseminated which has given such general satisfaction and profitable returns, trees four years after planting in orchard yielding as high as three bushels of perfect fruit.

**Lawrence.** Rather large; yellow, covered with brown dots; flesh whitish, slightly granular, somewhat buttery, with a very rich aromatic flavor; unsurpassed amongst the early winter Pears. Succeeds well on the quince; ripens with little care. Should be in every orchard. Tree healthy, hardy and productive. November and December.

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"I was handed a letter by your agent here requesting a recommendation for your stock, which I can cheerfully give. Being a fruit-grower on a large scale, I buy trees from several other nurseries, and I find your trees to be by far the best ever sold in this state by any nursery."—F. F. MARTIN, Walcott, Ark.





Dish of Worden-Seckel Pears

### Additional List of Pears

To aid the inexperienced in making their selections, we have carefully prepared the following lists—one for cultivation as Standards on Pear stocks, the other to be grown as Dwarfs on quince root. In both lists the varieties are put down about in their order of ripening. When one variety is found in both the Standard and Dwarf lists, it is understood that they do well either as Standard or Dwarf.

#### STANDARD PEARS

Summer Doyenne	Early Harvest	Flemish Beauty	Kieffer
Clapp's Favorite	Le Conte	Brignais	Lawrence
Bartlett	Howell	Buffum	
Vermont Beauty	Seckel	Garber	

In all lists we advise that one-half to three-quarters of Bartlett and Kieffer be planted.

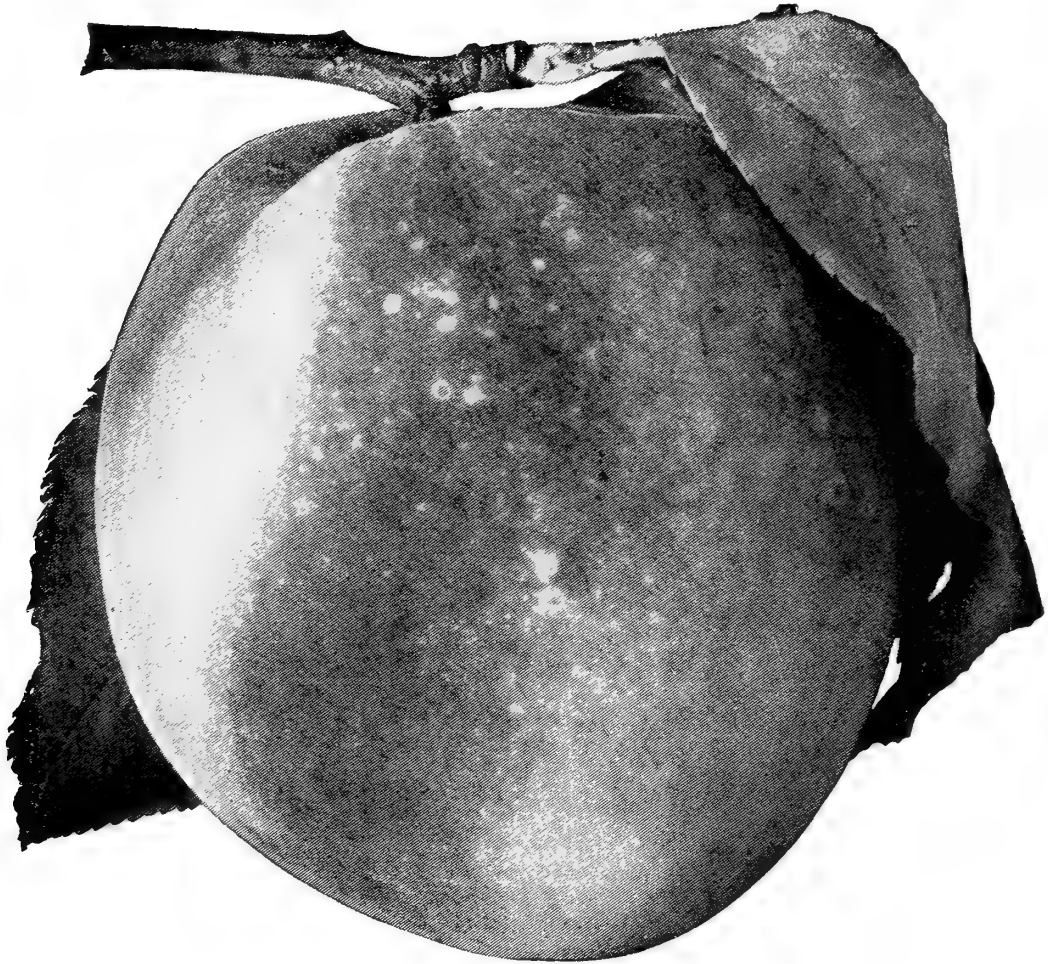
#### DWARF PEARS

Summer Doyenne	Buffum	Seckel	Lawrence
Brignais	Angouleme	Anjou	

And in all lists we advise one-half Angouleme.

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"For several years Hood's nursery stock has been coming into this part of the country, and orchards are now numerous from your nursery, and growers have no hesitancy in stating that they were well pleased when they received their stock, as they were fine stock, came in good shape, and when set to field were vigorous and healthy, and making rapid growth were soon in a bearing size, and invariably prove true to name. All are well pleased, and use no hesitancy in repeating their orders for more stock when in need of nursery stock."—A. J. ROBERTS, Lick Creek, Illinois.



Elberta Peach (see p. 24)

## Select Peaches

The ease with which Peach trees may be cultivated, their comparative freedom from disease, the short period before they become productive, with the immense demand for the fruit and the facility with which it may be shipped to distant markets make Peach growing extremely profitable.

We have the climate and opportunities to develop this fruit to the highest standard of excellence, and it should be a source of gratification to all that within the last few years so many valuable new varieties of merit have been introduced.

Owing to the greatly increased demand for the Peach, due to the development of the canning and evaporating interests, this fruit will no doubt continue to be exceedingly profitable to the orchardist who gives the business proper attention and has a suitable location for his orchard.

The grower in the southern states who has transportation facilities to market his fruit in the northern markets, we would advise to plant largely of the earliest varieties; they mature and can be marketed in New York before the fruit of Delaware and Maryland is ripe. In the New York market the early southern Peaches always command the highest prices. Those situated beyond the reach of convenient transportation should, after providing for their local markets, plant the best sorts for canning and evaporating purposes, as these have now become very important and profitable industries.

There is no fruit tree that makes so quick a return as the Peach. Give it reasonable attention, and in three years from planting a fair crop may be gathered; and the receipts from a good orchard are something of importance, there now being many Peach growers who realize from ten to twenty thousand dollars from that crop in favorable seasons, and yet they do not have the advantage of the high prices that may be obtained by the southern orchardist for his earlier crop, brought into the market before the competition that meets the Maryland and Delaware grower.

Our purpose is to grow the best trees—not the lowest-priced ones. Great care is necessary to preserve the health of the young tree before it is taken to the orchard. We, therefore, are careful to select the best seed, to use buds from healthy trees only,

## PEACHES, continued

and we are confident that every tree will be true to name and just as represented by us. Fifteen or twenty sorts will give a succession through the season that would satisfy the most fastidious lover of this fruit, not only in a succession, but in a variety of sorts for all seasons.

**Alexander.** Fruit medium to large, bright color and of good quality; one of the favorite early market varieties.

**Bilyeu's Late.** Originated in Caroline county, Md., ripening after Smock Free and Salway; fruit of large size; color white, with a beautiful blush cheek; flesh white.

**Belle of Georgia.** Very large; skin white, with red cheek; flesh white, firm and of excellent flavor. The fruit is uniformly large and showy; tree a rapid grower and very prolific. Ripe July 1 to 15. New.

**Bishop.** Very large, crimson, white flesh; free; a valuable market sort; sure and prolific.

**Bokara No. 3.** The hardiest yellow Peach yet brought to notice; of fine quality and a heavy bearer; 30 per cent hardier than any other kind.

**Butler's Late.** This magnificent new freestone Peach originated in the garden of J. T. Butler, Richmond, Va. Fruit of the very largest size; skin greenish white, with red cheek; flesh white, firm and of very good flavor; tree vigorous and very productive. September 15 to October 1.

**Burke.** Very large, roundish oblong, skin pale cream-color, slightly shaded on sunny side with red. Flesh white, juicy, melting, sweet and vinous, making one of the largest, best and most showy clingstone Peaches. Last of July.

**Captain Ede.** Very large, yellow freestone, with a delicate carmine on one side. It ripens about with Crawford's Early, one week before Elberta; good shipper.

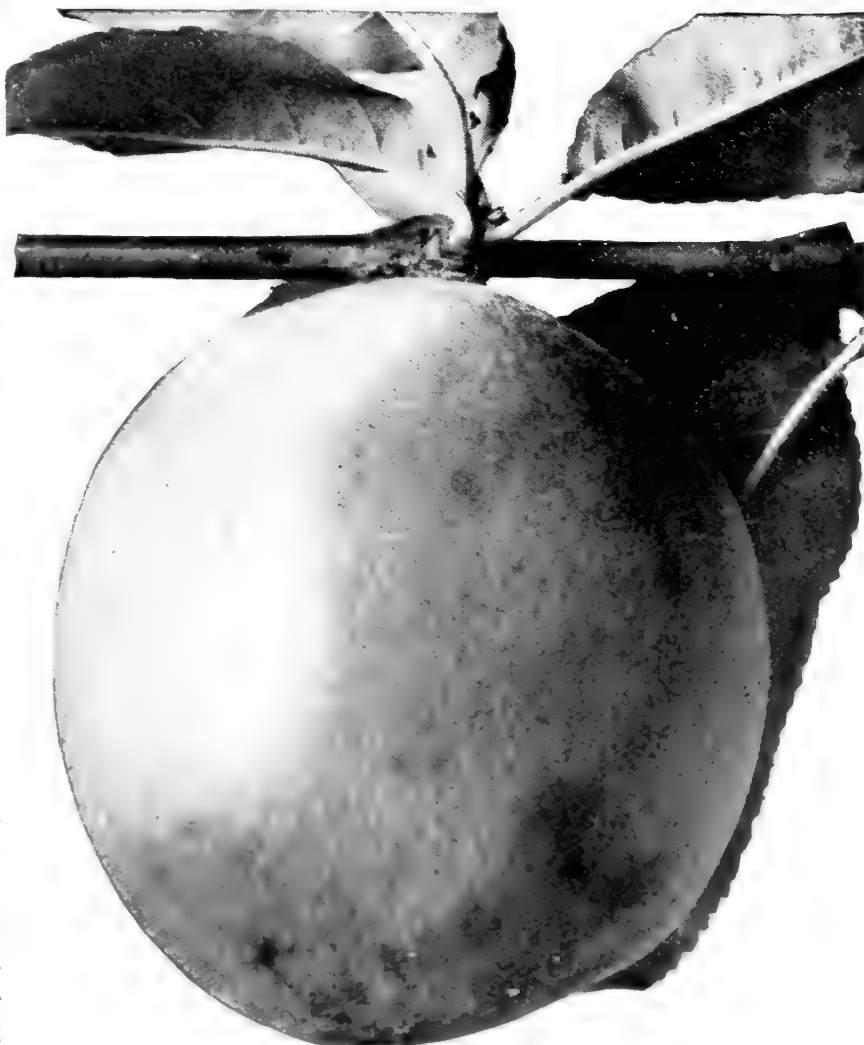
**Carman.** In this new, hardy rot-proof Peach, ripening at the same time as Early Rivers, and yet almost as large and fine as Elberta itself, we have a Peach of great market value; a large, roundish Peach with a pale yellow skin, red blush on sunny side; white flesh, tender and melting; rich, sweet and of superior flavor;

by far the finest of any Peach ripening ahead of Mountain Rose. A big, early, yellow-skinned Peach of high quality; is sure to be in great demand. Don't miss the Carman.

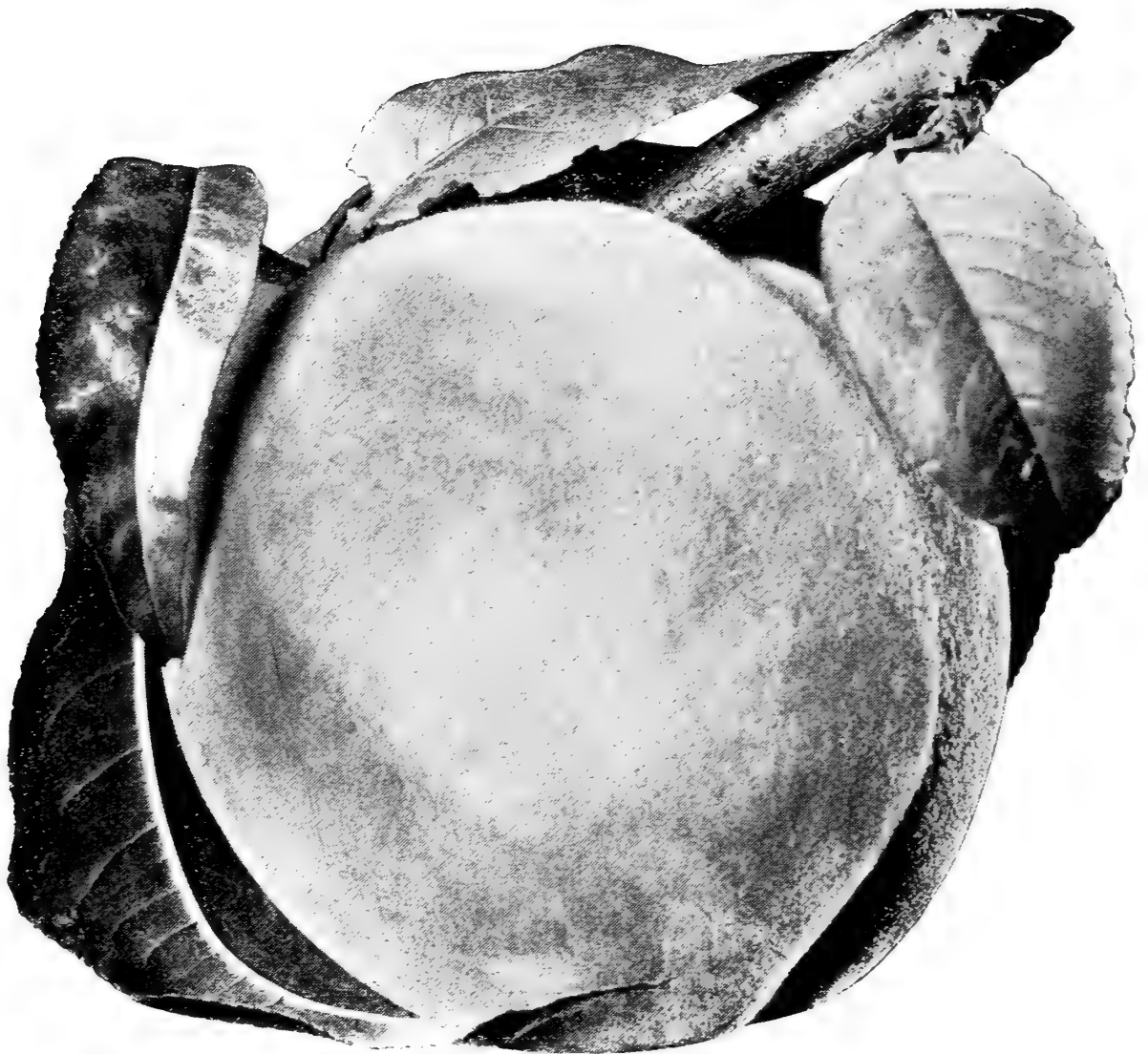
**Crawford's Early.** A magnificent, large, yellow Peach of good quality. Its size and beauty makes it one of the most popular orchard varieties. First of August.

**Crawford's Late.** Very large, roundish; skin yellow, with a beautiful dark red cheek; flesh rich, yellow, melting, with sweet luscious flavor. Worthy of universal cultivation as table and market sort. Middle of August. One of the finest late sorts.

**Chinese Cling.** Fruit large roundish; oval; skin transparent cream color, with marbling of red next to the sun; flesh creamy white, very juicy and melting, with a rich, agreeable flavor. Last of July.



Carman Peach



Fitzgerald Peach

## PEACHES, continued

**Chinese Free.** (China Strain.) Large, oblong; skin white, with red cheek; flesh red, firm and well-flavored; free from rot, which makes it a very desirable market variety. Ripens with Crawford's Early.

**Chair's Choice.** Originated in Anne Arundel county, Md.; fruit of very large size, yellow, with a red cheek; flesh yellow, firm and of good quality; tree a strong grower and a good bearer. Ripens just before Smock.

**Crosby.** This new Peach, which originated in New England, is highly recommended on account of its hardiness and bearing qualities. Fruit roundish in form, slightly flattened, with a distinct seam across the blossom end; color is bright yellow, with a red cheek; flesh yellow, sweet, juicy and rich. A freestone with a very small pit. Last of August. Ripens between Crawford's Early and Late.

**Champion.** It has been carefully tested for a series of years and proves itself a remarkably early Peach. It bears

full crops when all other varieties fail, proving itself one of the hardiest Peaches known. It is also remarkable for size and good quality; skin is of a rich, creamy white, with a red cheek, exceedingly handsome; flesh creamy white, firm, sweet and delicious, rich and juicy; a perfect freestone. Ripens with Early Rivers and will supersede that popular variety when once known.

**Connett's Southern Early.** It has extra large fruit of a cream-white shade, having a beautiful blush next to the sun. It is one of the most delicately colored Peaches grown, and a clear freestone, with small seed. Of fine quality, and borne in profusion early in July upon trees noted for their strength and vigor.

**Elberta.** An exceedingly large, high-colored yellow Peach, a cross between Crawford's and Chinese Cling; juicy, well flavored; said to be probably the finest yellow freestone in existence. Ripens early in August.



## PEACHES, continued

✓ **Emma.** Fruit very large; skin golden yellow, with red cheek; flesh yellow, fine-grained, firm, juicy and highly flavored; tree luxuriant grower and quite prolific; a perfect freestone; one of our most attractive and profitable market varieties. Ripe July 25 to August 5.

✓ **Family Favorite.** A seedling of Chinese Cling, originated in Texas; said to be large, handsome, certain and prolific; flesh white; valuable for shipping, canning or drying. Freestone; ripens about with Crawford's Early.

✓ **Foster.** A new, very large Peach, resembling Crawford's Early in appearance, but larger and somewhat earlier; tree hardy and productive. August.

✓ **Fitzgerald.** An improved Early Crawford, being fully equal to it in size, quality and color. In Canada and Michigan has proven one of the hardiest. Fruit large, brilliant color, bright yellow suffused with red; flesh deep yellow, best quality. Early September.

✓ **Geary's Hold-On.** Large, yellow Peach, seedling of the Smock; fruit large; pale lemon-yellow. A little later than Smock.

✓ **Globe.** An improvement upon Crawford's Late; vigorous and productive; fruit large globular, of a rich golden yellow, with red blush; flesh firm, juicy, yellow. Second week in September.

✓ **Golden Drop.** Large, golden yellow, with a red cheek in the sun; flesh yellow, juicy, rich and very good. A promising variety. Tree very hardy and productive. Ripens between Hill's Chili and Smock.

✓ **Greensboro, New.** A Peach as large as common July Peaches, and beautifully colored; a freestone, ripening with Alexander. The flesh is white, very juicy, and of excellent quality. One of the best early Peaches.

✓ **Heath Cling.** This is perhaps, the very best of the late clingstone Peaches. Its very large size, beautiful appearance, high and luscious flavor, combined with its late maturity and the long time it may be kept after taking from the tree, renders it a most valuable sort for market. Fruit very large; skin pale yellowish white with a faint blush or tinge of red in the sun; flesh greenish white, very tender and melting; exceedingly juicy, with a sweet, rich, high and luscious flavor; tree hardy and vigorous. Middle of September.

✓ **Hyne's Surprise.** True freestone when ripe; resists rot better than Hale's Early, which it resembles. Fruited with us this season—coming in just after Alexander. The best early Peach we have.

✓ **Jackson, or Red July.** Origin, Richmond, Va. One of the largest early freestones; skin a beautiful rich red; flesh white, very juicy, and separating entirely from the seed. Ripens after Alexander.

✓ **Lady Ingold.** A large handsome, yellow freestone, ripening immediately after Hale's Early; resembles Crawford's Early in size and appearance; quality very good.

✓ **Large Early York.** Is rather large and a beautiful Peach, well worthy a place in every good collection. The tree is vigorous and productive; fruit dotted with red in the shade, deep red cheek to the sun; flesh nearly white, fine-grained, very juicy, with a mild, rich, excellent flavor; a very valuable sort. July 25.

✓ **Large Red Rareripe.** A most excellent Peach, ripening early in August. Fruit large; skin greenish white, dotted, and with a beautiful, rich, red cheek; flesh white, red at the stone, melting and juicy, with a sweet and rich flavor. We consider it one of our best.

✓ **Lemon Cling.** A very large and beautiful lemon-shaped variety; light yellow, reddened in the sun; flesh firm, yellow, rich, with a vinous, subacid flavor; fine for preserving; tree very hardy and productive. Last of August.

✓ **Lemon Free.** This magnificent yellow Peach originated in Summit county, Ohio. The name is very appropriate, as it is almost of lemon shape, being longer than broad, pointed at the apex; color a pale yellow when ripe. It is of large size, the finest specimen measuring over 12 inches in circumference; of excellent quality. Ripens after late Crawford. Productive.



Emma Peach

## PEACHES, continued

**Levey's Late.** (Henrietta.) A new, late clingstone, which originated in the garden of W. W. Levey, Washington, D. C. Fruit large, roundish; skin deep yellow; a shade of rich brownish red in the sun; flesh deep yellow, rather firm, juicy, half-melting sweet; very good and a valuable variety for late bearing. First to last of September.

**Lorentz.** (Per.) New. Its introducer says of it: "We have never known it to fail a crop in the most adverse seasons, and we believe it to be as nearly frost-proof as any variety yet introduced. It bears crops when others fail entirely. Fruit is unusually large and of a superior flavor, especially so for one so late in the season. It is a freestone, yellow-fleshed, and its handsome appearance has been a surprise to all who have seen it. Does not crack, is very firm, keeps well, and is a fine shipper."

**Mayflower.** The earliest Peach,—earliest to ripen and the earliest to bear; the latest to bloom. Color, red all over. Fruit medium to large, slightly oblong and pointed; juicy and good. Most of the very early Peaches are lacking in color, while the Mayflower is a beautiful solid red, which makes it sell well on the markets. On account of blooming later than most varieties, thus rarely getting killed by late spring frosts, it sets too much fruit and in order to keep it from overbearing, and to have large fruit, it is very necessary to thin this variety. Pull off the young Peaches to three or four inches apart when they are about the size of the end of your finger. We could write two pages on the merits of the Mayflower, but as it is becoming generally known, we deem the above sufficient. First week in June.

**Mathews' Beauty.** A large yellow Peach of the Smock strain, but of good quality; very showy and a valuable shipper. Beginning of August.

**Millhiser.** The parent tree was grown by M. Millhiser, Richmond, Va.; a large freestone Peach, ripening about October 1, and very fine, but it has not been satisfactory on our grounds.

**Mountain Rose.** A variety of very great value; very profitable for market, and is steadily growing in favor; fruit large, roundish; skin whitish, nearly covered with light and dark rich red; flesh white, slightly stained at the stone, juicy, sweet; separates freely from the stone. Ripens just after Troth's Early.

**Oldmixon Freestone.** Is a fine, large, productive variety, succeeding well in all localities and well deserving of the high favor in which it is held as an orchard variety; skin yellowish white, with a deep red cheek; flesh white, but red at the stone; tender, rich, excellent, indispensable. Middle of August.

**Oldmixon Clingstone.** Large, yellowish white, dotted with red on a red cheek; flesh pale white, very melting and juicy, with an exceedingly rich, luscious flavor; one of the most desirable clingstone Peaches. Middle of August.

**Picquet's Late.** This very valuable late Peach originated in Georgia and has been disseminated over a wide extent of country, and succeeds well generally. Fruit large and handsome; skin yellow, with a red cheek; flesh yellow, melting, sweet, and of highest flavor. Ripens about with Smock.



Mayflower Peaches

**PEACHES, continued**

**Pendleton.** A very large, rich, yellow Peach, double the size of the Heath Cling, and maturing from fifteen to twenty-five days later; unequaled in size, quality and flavor. For both canning and table use it equals the best of the September clingstones. Color rich deep yellow, slightly tinged with red; flesh yellow, tender, juicy, with a delicious flavor. Ripens at Richmond, Va., last of September. Origin, Richmond, Va.

**Ray.** From Md., where it is very profitable. Of the Chinese strain. A remarkably strong grower, noticeable even in nursery row; productive as could be wished. White with red blush; flesh white, firm, meaty, highly flavored; most excellent shipper. The introducer states that original tree bore 16 successive crops, and a small orchard of 264 trees at 7 yrs. old, had borne 4 successive crops which netted their owner \$2,200. August.

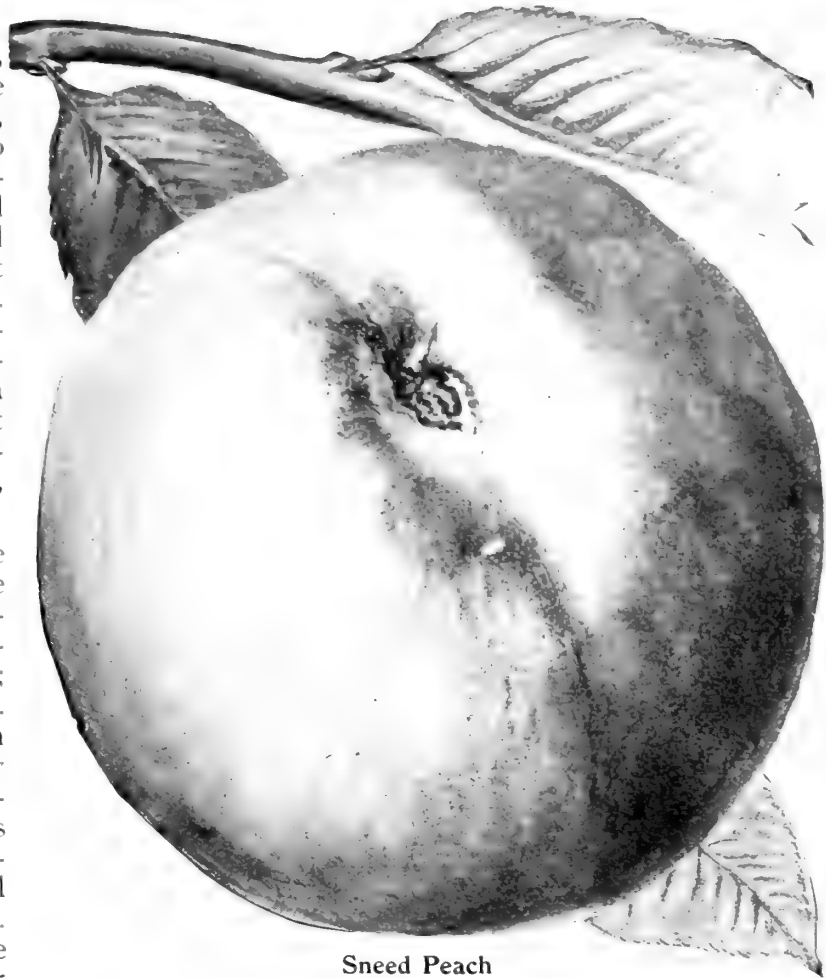
**Reeves' Favorite.** Fruit large, roundish, with a fine red cheek; flesh deep yellow, red at stone; juicy, melting, with a good vinous flavor. One of the largest and handsomest Peaches; should be in every orchard. First of September.

**Stinson's October.** Large; white with red cheek; of very good flavor. The best very late Peach. The most profitable late Peach yet introduced for Southern markets. Middle of October.

**Susquehanna.** A very handsome and valuable Peach; originated on the banks of the Susquehanna river in Pennsylvania; a great favorite wherever known; fruit of the largest size, sometimes measuring 12 inches in circumference; skin rich yellow, with a beautiful red cheek; flesh yellow, juicy, sweet, with a rich, vinous flavor; the best of all the yellow-fleshed Peaches; freestone; a moderate bearer. August 25.

**Salway.** A large, late yellow freestone of English origin; handsomely mottled, with a brownish red cheek; flesh deep yellow, juicy, melting, rich; very productive; a variety growing more and more in favor with the orchardists. Ripens after Smock Free.

**Smock Free.** Rather large; yellow, with a red cheek; flesh yellow, red at the stone; very productive; not of high ex-



Sneed Peach

cellence, but valuable as a market variety. In the Delaware and Maryland Peach-growing district this variety is planted perhaps more extensively than any other sort, and large profits have been realized from it. It succeeds well in Eastern Virginia, but west of the ridge is not so valuable. Middle to last of September.

**Stevens' Rareripe.** Large, oblong; white, nearly covered with red, very highly colored and beautiful; heavy bearer and free from disease; freestone. October 1.

**Stump of the World.** Large; creamy white, with a bright red cheek; flesh white, juicy and high flavored; productive; one of the best market varieties. Ripens middle of August.

**Sneed, or Peebles.** The earliest Peach grown; medium to large; straw color, with red cheek; ripens eight days before Alexander; has matured its fruit where the above variety rotted on the same soil. Very hardy and seldom fails.

**Tennessee Everbearing.** W. T. Nichols, of Obion county, says of this variety: "The parent tree is said to have produced its first crop about 1888. The tree ripens fruit continuously from about August 1 to October 1. The best specimens on the parent tree at twelve years old measured 12 inches in circumference.

## PEACHES, continued

Skin creamy white, with a deep blush in the sun; clingstone." A variety that will bear on one tree fruit for two months, having during all that time ripe fruit to be gathered, is one that every lover of fruit will desire on account of its novelty.

**Thurber.** Large; skin white, with light crimson mottlings; flesh very juicy, of exceedingly fine texture. A seedling of Chinese Cling, which it resembles in size and beauty, but perfectly free. A sure bearer.

**Troth's Early.** A very early and excellent Peach of medium size; whitish, with a fine red cheek; flesh juicy, sweet and very good; one of the most popular and profitable varieties for early marketing. Middle of July.

**Victor.** Semi-Cling. Ripe May 25 to 30. A vigorous grower, early and prolific bearer. Fruit is medium size, light pink, with deeper shade next to the sun. Ripens thoroughly to the seed and is of excellent flavor.

**Wheatland.** An extensive fruit-grower says: "It is the largest, hardiest, best, most productive and handsomest of its season—filling a gap just before Craw-

ford's Late, which it excels. Though crowded on the tree the fruit was all large."

**Waterloo.** A seedling; originated in Waterloo, N. Y., size medium to large, good specimens measuring 9 inches in circumference and weighing five ounces; form round, with a deep suture on one side; color pale, whitish green in the shade, marbled red, deepening into dark purple-crimson in the sun; flesh greenish white, with abundance of sweet, vinous juice; adheres considerably to the stone, like Hale's Amsden, etc. Ripens with Amsden.

**Wonderful.** Originated in New Jersey, described by the introducer: size large to very large, best specimens from crowded trees measuring 11 inches in circumference and weighing as many ounces; smooth, almost globular; very regular and uniform in size and shape; color rich golden yellow; flesh yellow, high-flavored, firm; very free. Ripens in October.

**Yellow St. John.** (Flater's St. John.) A large, roundish, yellow freestone, ripening a little before Troth's Early; skin orange-yellow, with a deep red cheek; flesh yellow, juicy, sweet and high-flavored.

## Select Plums

The Plum will grow vigorously in almost every part of this country, but it bears its finest and most abundant crops in heavy loams, or where there is considerable clay; it will bloom and set a fine crop in a sandy soil, but in such soils it generally falls a prey to the curculio, and drops prematurely. There are, however, some varieties that succeed very well in such situations.

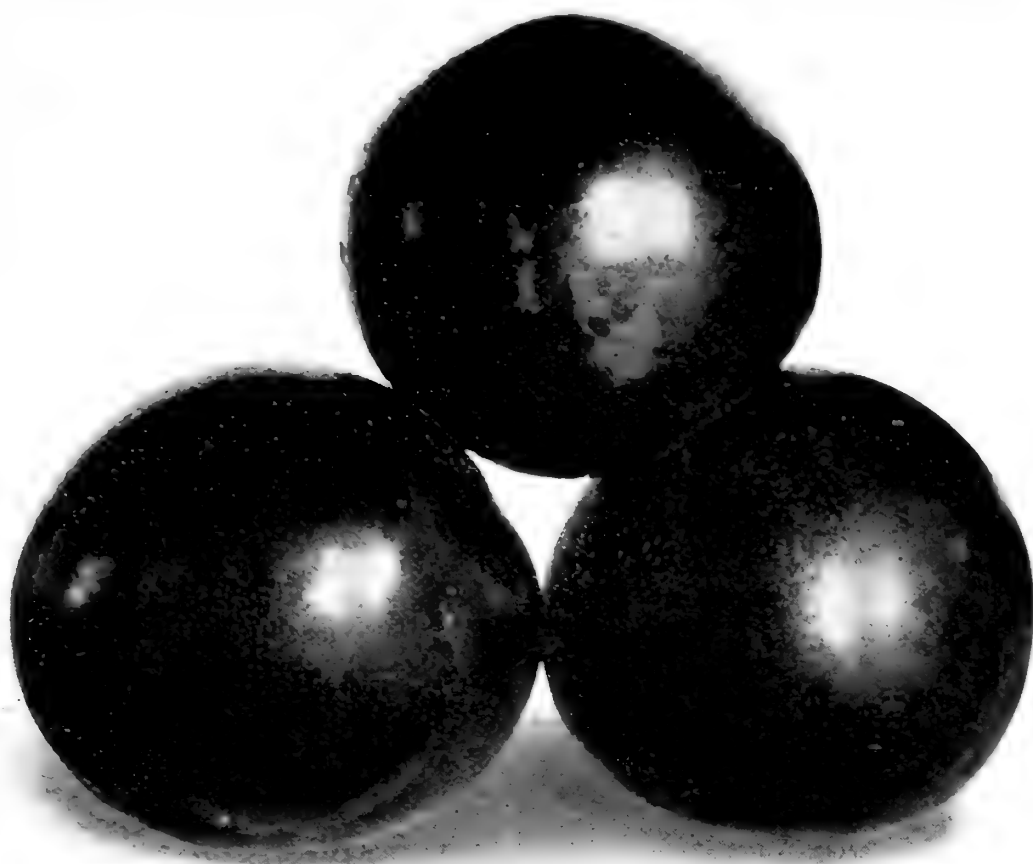
The curculio, a small, brown insect, commences its depredations on this fruit as soon as it has attained the size of a pea, and continues its course of destruction until



German Prune

the crop is matured. It makes a small, crescent-shaped incision in the fruit, and lays its egg in the opening; the egg hatches into a worm, which feeds upon the fruit, causing it to fall prematurely. The only preventive that is known to succeed with any degree of certainty is to place a white sheet under the tree early in the morning, when cool, and by jarring the tree suddenly the insect falls upon the cloth, and, being stiff, can easily be caught. By commencing this as soon as the fruit is formed, and continuing it daily for about three weeks, you may be able to save a good crop. Exemption may not be secured from black fungus or knot, but if branches affected are carefully removed and burned, and the wounds, caused by removal of branches, are well saturated with kerosene oil and the trees are given careful cultivation, the injury to the trees will not be great.





Ogen Plums (see page 30)

## European and Native Plums

**Coe's Golden Drop.** One of the largest most beautiful and valuable of late Plums; light yellow; flesh yellow, firm, rich and sweet; adheres to the stone; productive. Last of August.

**French Damson.** A variety said to be better than Shropshire; has not fruited with us; purple.

**German Prune.** A valuable Plum of fair quality for the table, but most esteemed for drying and preserving; fruit long and oval; skin purple, with a thick blue bloom; flesh firm, green, sweet and pleasant; separates from the stone.

**Lombard.** Medium size; skin delicate violet, dotted thick, red; flesh deep yellow, juicy and pleasant; one of the hardiest, most productive and valuable Plums. Succeeds well everywhere, even on light soil. August.

**Prince Englebert.** Large; oblong, oval; skin very deep purple, sprinkled with brown dots and covered with a deep blue bloom; flesh yellowish green, juicy, sugary; separates from the stone; from Belgium; tree very vigorous; one of the best. July.

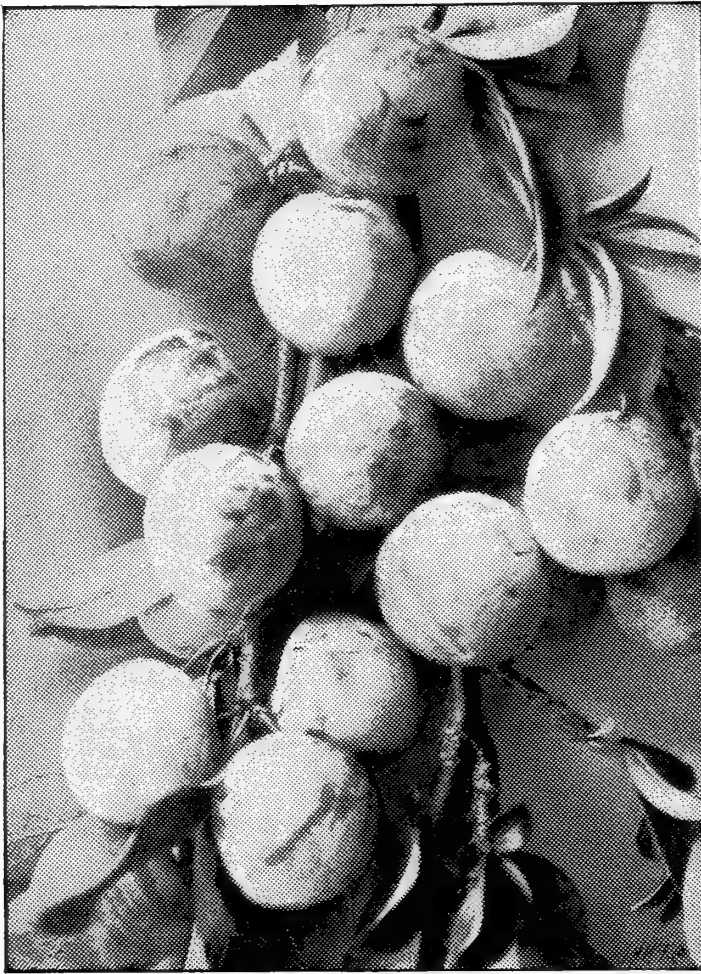
**Reine Claude de Bavay.** (Green Gage.) Large; greenish yellow, spotted with red; flesh rather firm, juicy, sugary, rich, of fine quality; adheres slightly to the stone; a vigorous grower, very productive, and a valuable addition to the late varieties. September.

**Shropshire Damson.** An improvement on the common Damson, being of the largest size of its class; dark purple; highly esteemed for preserving; tree vigorous and enormously productive. September.

**Wild Goose.** Medium size; oblong; bright vermilion-red; juicy, sweet, and of good quality; cling; productive, and nearly proof against the curculio. The most profitable variety for market in the South, and deserves more extensive planting there as well as in the middle states. July.

**Yellow Egg.** A very popular fruit on account of its very large size and splendid appearance; its slight acidity renders it valuable for preserving; skin yellowish, covered with a white bloom; flesh yellow, adhering closely to the stone; rather acid until it becomes very ripe. Last of July.

"The trees furnished by you were splendid, and have caused a great deal of favorable comment."—W. H. TRAIL, Washington, D. C.



Burbank Plums

### Japan Plums

This class of fruit is attracting the attention of all fruit-growers, and is remarkable for its beauty, size, productiveness and early bearing. The trees often bear at two years in the nursery row, and we think this fruit will supersede the European varieties in this latitude and the South.

**Abundance.** or **Botan.** It is as near curculio-proof as can be expected. Fruit large and showy; color amber, turning to a rich cherry color, with a white bloom; flesh light yellow, juicy, tender, sweet and excellent; stone small and parts readily from the flesh. One of the best Plums for canning. July.

**Burbank.** Fruit large, ranging from 5 to 5½ inches in circumference, nearly globular, clear cherry-red, with a thin lilac bloom; flesh a deep yellow, very sweet, with a peculiar and very agreeable flavor; tree vigorous, with large and rather broad leaves; commences to bear usually at two years old. Middle to the last of August.

**The Dixie.** Earliest Sweet Plum. Very valuable. Not as rapid a grower as most Japan sorts, nor did it bear as young as is common with Japan varieties. Still it

bears full crops and is a delicious Plum; not large, but handsome, and of first quality; sweet and delicious. Ripens here last of May, right along with Gandy strawberries. Stock limited.

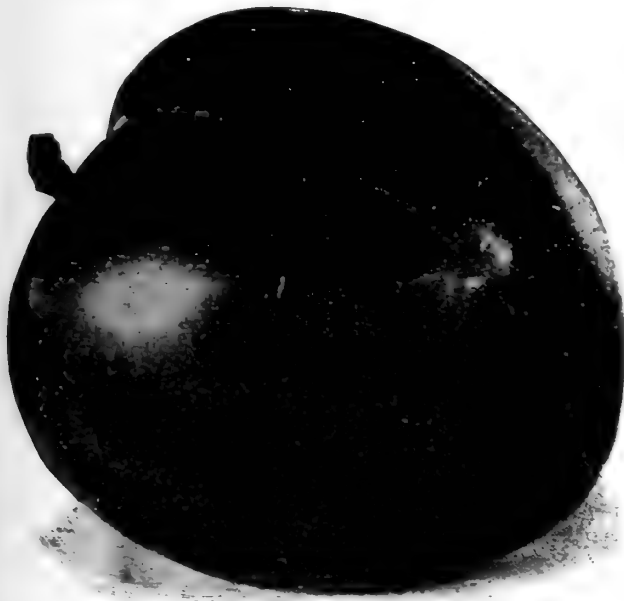
**Ogon.** It is large, nearly round; of the brightest golden yellow; flesh firm, sweet, rich and dry; ripens a little earlier than Abundance or Botan, and is the most free of all Plums, as there is not a particle of flesh that adheres to the stone when broken or cut open. It seldom, if ever, fails to produce a large crop of fruit. The tree is vigorous and entirely hardy.

**Red Damson.** This is a valuable fruit, ripening later than Shropshire Damson. For jelly and preserves it has no superior among Damsons. It comes into bearing the second year after transplanting, and bears annually heavy crops. The tree is a strong, robust grower, making quite a large tree. When in bloom it is one mass of white flowers, without a leaf; later it is clothed with broad, dark green foliage. It is really a beautiful tree, free from black knot or any other disease. A certain bearer.

**Red June.** New. Fruit medium to large, cordate and very prominently elongated at the apex; suture deep, generally lopsided; deep vermilion-red all over, with a handsome bloom; very showy; flesh light lemon-yellow or whitish, firm and moderately juicy, not stringy, slightly subacid to sweetish; cling to half cling; pit small. Tree vigorous and productive.

**Satsuma Blood.** A purple-fleshed Plum of very vigorous growth, with rank, dark green foliage; enormously productive of fruit; large; skin dark purplish red, mottled with bluish bloom; shape globular, or with a sharp point; flesh firm, juicy, dark red or blood color, well flavored, firm, quality very good; pit very little larger than a cherry-stone; fruits at two or three years of age. Considered by some to be the most valuable of Japan Plums.

**Simon's** (*Prunus Simonii*). This variety is from China. Perfectly hardy and very productive, commencing to bear when two or three years from the bud. Fruit deep rich red color, somewhat flattened, and has a little of the appearance of a dark red tomato, and with a peculiar aromatic flavor. We do not recommend this variety for market. The trees are very distinct, growing upright like a Lombardy poplar. Middle of August.



Wickson Plum

**JAPAN PLUMS, continued**

**Wickson.** New cross-breed Plum by Luther Burbank, which he sent out in the spring of 1895. Mr. Burbank says:

"Among the many Japan Plums which I have fruited this one so far stands pre-eminent in its rare combination of good qualities. The tree grows in vase form, sturdy and upright, yet as gracefully branching as could be desired, and is productive to a fault. The fruit is evenly distributed all over the tree, and from the time it is half grown until a few days before ripening is of a pearly white color, but all at once soft pink shadings creep over it, and in a few days it has changed to a glowing carmine, with a heavy white bloom; the stone is small and the flesh is of fine texture, firm, sugary and delicious, and will keep two weeks or more after ripening, or can be picked when hard and white, and will color and ripen almost as well as if left on the tree.

**Yellow Japan.** Fruit large, nearly round; skin yellow, washed with red on sunny side; flesh yellow, juicy and of good quality; tree vigorous, resembling Kelsey in growth, but with larger leaves. It is named Yellow Japan, although a red Plum.

**Select Nectarines**

The Nectarine requires the same culture, soil and management as the peach, from which it differs only in having a smooth skin, like the plum.

Downton

Elruge

Pitmaston Orange

**Select Cherries**

The Cherry succeeds on most soils and in nearly all localities throughout this country, but attains its greatest perfection upon those of a light, gravelly or sandy nature, provided it be in good condition. In planting the Hearts and Bigarreus, avoid wet or damp situations. The Dukes and Morellos will bear more moisture, but will flourish best in a soil that grows the others to the greatest perfection.

**Heart and Bigarreau**

**Bigarreau, or Graffion.** (Yellow Spanish.) Very large, often an inch in diameter; pale yellow, with a handsome, light red cheek to the sun; flesh firm, with a fine, rich flavor. This variety, though not of the highest excellence, has become, from its great size, beauty and productiveness, a general favorite. July.

**Black Tartarian.** Very large, purplish black; half tender; flavor mild and pleasant; tree a remarkably vigorous, erect and beautiful grower and an immense bearer. June.

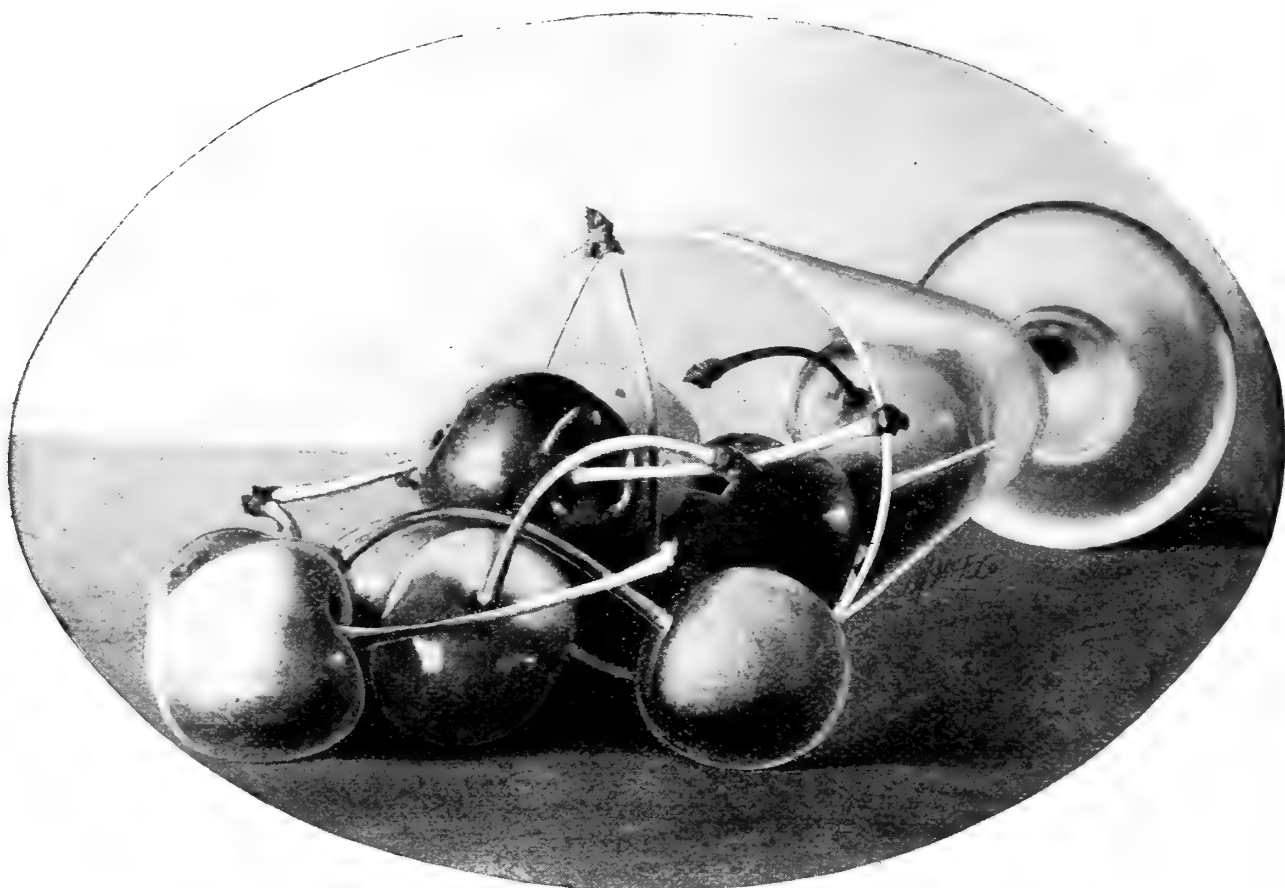
**Black Heart.** Rather above medium size; flesh tender, juicy, with a rich, sweet flavor; very productive. June.

**Downer's Late Red.** Rather large, light red, tender and juicy, slightly bitter before fully ripe. Tree a vigorous erect grower and very productive. One of the best late Cherries.

**Elton.** Large, pointed; pale yellow, nearly covered with light red; half tender, juicy, rich and delicious; tree very vigorous, spreading and irregular. May and June.



Early Richmond Cherries



Napoleon Bigarreau Cherries

**HEART AND BIGARREAU CHERRIES.**  
continued

**Early Purple.** An exceedingly early variety, ripening in May; fruit of medium size; color dark red, becoming purple at maturity; flesh purple, tender, juicy, with a rich and sweet flavor; indispensable as an early variety; productive.

**Florence.** Fruit very large, amber yellow, marbled and mostly covered with bright red; flesh amber color, very firm, sweet, rich flavor; hangs long on the tree, and will keep several days after gathering. Ripens in July.

**Governor Wood.** One of the best of Dr. Kirkland's seedling, and deserves a place in every good collection; fruit large, skin light yellow, shaded with bright red; flesh nearly tender, juicy, sweet, rich and delicious; tree vigorous, productive. June.

**Knight's Early Black.** Large, black; a very juicy, tender and excellent early kind; tree quite vigorous and a good bearer. Middle of June.

**Napoleon Bigarreau.** A magnificent Cherry of the largest size; pale yellow, with a bright red cheek; flesh very firm, juicy and sweet; tree a vigorous, erect grower, and bears enormous crops. Profitable for marketing. June.

**Rockport Bigarreau.** Large, deep brilliant red; flesh rather firm, juicy, sweet, rich, with an excellent flavor; a very de-

sirable and profitable Cherry. Beginning of June.

**Schmidt's Bigarreau.** This noble Cherry was introduced into England from Belgium by Mr. Rivers, and is by far the largest of all black Bigarreau Cherries. Fruit grows in clusters and is of large size, round and somewhat oblate; the skin is of a deep black color; flesh dark, tender, very juicy, with a fine, rich flavor. The stone is very small for the size of the fruit.

**Windsor.** The tree is vigorous, hardy and an early and good bearer; the Cherries are obtuse heart-shaped, dark purple or nearly black, the flesh quite firm, fine in texture and rich in flavor; ripens early.

**Duke and Morello Cherries**

The Dukes and Morellos are not so vigorous and upright in their growth as the Hearts and Bigarraus, forming low, spreading heads, with acid or subacid fruit.

**Dyehouse.** In hardiness and general appearance resembles Early Richmond, but is of finer quality and several days earlier; it produces very regular annual crops; fruit medium; skin bright red, darkened in the sun; flesh soft, juicy, tender, sprightly subacid, rather rich; partakes of both the Morello and Duke in growth, wood and fruit; it is very productive. We consider it superior to Early Richmond.



**DUKE AND MORELLO CHERRIES, con.**

**English Morello.** Above medium size; skin dark red, becoming nearly black; flesh juicy, subacid, rich. July.

**Early Richmond, or Kentish.** Medium size, red; flesh melting, juicy, and, at maturity, of a rich acid flavor; very productive; fine for cooking. Commences ripening last of May and hangs long on the tree.

**May Cluster.** This variety recently introduced by us. Size above medium; red, flesh firm, juicy. Rich acid flavor. Prolific bearer. Ripens last of May.

**May Duke.** Medium size; dark red; melting, rich and juicy, an old and popular sort; ripens after Early Purple Guigne.

**Montmorency.** A beautiful, large red, acid Cherry; larger than Early Richmond and fully ten days later; very prolific and hardy; a variety of great value; free grower.

**Olivet.** Large, very shining, deep red, tender, rich and vinous, with a very sweet, subacid flavor. It ripens in May or early June.

**Ostheim.** (Russian.) Rather slender grower; very hardy; fruit of good size and quality; trees are very productive.

**Reine Hortense.** A French Cherry of great excellence; large; bright red; flesh tender, juicy, very slightly subacid and delicious; tree vigorous and productive; one of the very best Cherries. Last of June.

**Royal Duke.** Large; dark red; flesh reddish tender, juicy and rich. Last of June.

**Terry Early.** Introduced by Mr. H. A. Terry, of Iowa. Upright, very handsome, one of the strongest growers of all the sour Cherries. Large, bright, brilliant red becoming darker as it ripens; flesh firm and crisp, juicy, slightly colored, becoming darker when dead ripe; moderately acid, rich; seed small. Hardy and a heavy, dependable bearer. June, earlier than Early Richmond.

**Wragg.** Supposed to hail from North Germany; a good grower and an immense bearer; quite late and a valuable Cherry.

## Select Apricots

This beautiful and excellent fruit needs only to be known to be appreciated. It ripens a month or more before the best early peaches and partakes largely of their luscious flavor. The tree is even more hardy than the Peach and requires about the same treatment. To make a crop more certain, plant on the north or west side of a wall, fence or building.

**Breda.** Small, round; dull orange in the sun; flesh orange colored, juicy, rich, vinous and high-flavored; tree very hardy and productive. July.

**Early Golden.** (Dubois' Early Golden) Small; pale orange; flesh orange, juicy and sweet; tree hardy and productive. Last of June.

**Harris.** Large, roundish, with deep suture; rich golden yellow, with faint blush; excellent quality and freestone. First of July.

**Moorpark.** One of the largest and finest Apricots; yellow, with red cheek; flesh rather firm, orange, parting from the stone; sweet, juicy and rich, with a luscious flavor. July.

**Montganet.** Medium size; early; excellent; hardy; one of the best.

**Peach.** Very large; yellowish orange, and mottled with dark brown to the sun; flesh rich yellow, juicy, with a rich, high flavor; productive. First of July.

## Improved Russian Apricots

**Alexander.** An immense bearer; fruit of large size; oblong; yellow, flecked with red; flavor sweet and delicious; tree hardy; one of the best. July 1.

**Alexis.** Large to very large; yellow with red cheek; slightly acid, but rich and luscious; hardy; abundant bearer. July 15.

**J. L. Budd.** A hardy, strong grower and profuse bearer; large white, with red cheek; sweet, juicy, extra fine, with a sweet kernel as fine-flavored as the almond; the best late variety and a decided acquisition. August.

## Select Quinces

The Quince is attracting a great deal of attention as a market fruit. Scarcely any fruit will pay better in the orchard. The tree is hardy and compact in growth, requires but little space, productive, gives regular crops, and comes early into bearing. The fruit is much sought after for canning for winter use. When put up in the proportion of about one quart of Quinces to four of other fruit it imparts to them a most delicious flavor.

It flourishes in any good garden soil, which should be kept mellow and well enriched. Prune off all the dead and surplus branches, and thin out the fruit if bearing too freely.

## QUINCES, continued

**Bourgeat.** Very strong, handsome grower, great cropper, bearing heavy loads of fine, smooth fruit; fine grained, good quality, high flavor. Matures in early Oct., but one of the best keepers.

**Champion.** This variety originated in Georgetown, Conn.; said to be larger than the Orange; fair, smooth, of fine quality and a late keeper.

**Meech's Prolific.** Introduced by Rev. W. W. Meech, of Vineland, N. J. The late Charles Downing says: "It is certainly a promising variety, and if it proves as good in other localities, and continues

its present good qualities of fair fruit and good size as the specimens you sent me, it will be an acquisition to the Quince family."

**Orange, or Apple.** Large, roundish, with a short neck; color light yellow; tree very productive; this is the most popular variety in the country; a great bearer. Ripens in October.

**Rea.** (Rea's Seedling.) A variety of the Orange Quince, one-third larger, of the same form and color, fair, handsome; a strong grower, of good quality, and bears well.

## Mulberries

This fruit is getting very popular, especially South, where it is fine food for hogs and poultry. The trees are also fine for shade, as it grows rapidly and is very hardy.

**Downing's Black.** Fruit very large, black and subacid; mostly planted North. Fruit about June 1 to middle of July.

**Hicks', or Everbearing Black.** This variety is very popular South, as the tree is a very rapid grower, bears very young and has a long season, very often from June 1 until the middle of August. Very sweet.

**New American.** This we consider

equal to Downing's in all respects, continuing in bearing fully as long and a hardier tree. Fruit jet-black.

**Russian.** Brought from Russia by the Mennonites. Tree a very hardy and rapid grower; fine as a shade tree; bears very young and very heavily, but the fruit is of very little value.

**White English.** Fruit very small and sweet, but not as good as Hicks'.

## Japanese Persimmons

In our last edition we did not recommend this fruit. At that time they were most all imported from Japan, and the trees were very rough and unsatisfactory to deliver and sold at a very high price. Since then we have been buying strong one-year-olds from the South and transplanting in our nurseries, and where sold have been very satisfactory. We do not advise planting for our latitude, except in protected places, and the ground should be well manured in the fall several feet around the tree. If there should be a very hard winter, and they should be killed back, they will sprout up from the ground and with care will make satisfactory trees, although there will be no trouble where the thermometer does not fall below zero. There is a tree at Baltimore that has been planted from ten to twelve years, and is over 12 feet high, that has been bearing annual crops ever since the second year of planting. The tree last fall was as full as we have ever seen an apple tree with apples. One cluster, not over 12 inches in length, which W. T. Hood took from the tree, had twelve as large as hen eggs.

**Among, or Yemon.** (Name of a Japanese ornament.) Round, flattened, deeply ribbed; dark orange-red and sometimes yellowish red;  $2\frac{1}{2}$  to 3 inches in diameter; average weight 6 ounces, and occasionally a specimen weighing 16 ounces is produced; very sweet; flesh red, and is edible while still solid, but quality improves as it becomes soft. Maturity September to end of November. Tree of moderate height.

**Hiyakume.** (Weighs 100 "me.," a unit of Japanese weight.) This is perhaps the most desirable of all the round, red-fleshed varieties, and as the fruit affects various shapes, it is known under many names, such as Pound, Tane-nashi, or Seedless, etc.

**Yedo-Ichi.** (No. 1, or best in Yedo, latter being the old name of Tokio.) Syn., Maru-Gata (round shape). Medium, round, some specimens slightly oblong, flattened at base and narrowing at apex; skin dark red, often with black mottlings near apex; flesh mahogany brown, with darker spots, brittle and is edible while solid as early as October 1; very prolific and bears fruit in large clusters. Tree an upright grower.

**Zenji, or Zingi.** (Name of Japanese villages.) Small,  $1\frac{3}{4}$  x 2 inches; weighs 3 to 4 ounces; flesh dark brown, with darker spots; very sweet; edible as early as middle of September, while still solid, and lasts throughout October. One of the most desirable.



## Select Grapes

The vine comes quickly into bearing, yielding fruit usually the third year after planting, but sometimes on the second; requires but little space, and when properly trained is an ornament to the yard, garden or vineyard.

It is stated by some of the most eminent physiologists that among all the fruits conducive to regularity, health and vigor in the human system, the Grape ranks number one. We hope soon to see the day when every family shall have an abundant supply of this excellent fruit for at least six months in the year.

The soil for the Grape should be dry; when not naturally so should be thoroughly drained. It should be deeply worked and well manured, always bearing in mind that it is an essential point to secure a warm, sunny exposure.

The best Grape-vine trellis is probably the wire trellis. This is constructed by planting posts as far apart as you choose to have the length of your trellis; stretch the wires, four in number, about eighteen inches apart, letting them pass through stakes at proper distances from each other to support the wire. As the wires are contracted by the cold, and are likely to break or sway the posts from their places, they should be loosened as cold weather approaches. When, however, it is not convenient to make a wire or other trellis, very good results are had with the old vineyard system of training to stakes. The vines are planted 8 feet apart, in a place exposed to the sun and protected from cold winds, if convenient, and are trained to an upright stake. This method is as simple as the cultivation of Indian corn. Often a large and uncomely rock may be converted to usefulness and beauty by planting a Grape-vine on its sunny side, and making use of the rock as a trellis.

To secure the best results, annual and careful pruning is essential. The following is regarded as the best method: Commencing with a good, strong vine, such as we furnish, permit it to grow the first season without pruning. In November or December following cut back the growth, allowing but three or four buds to remain. The following spring allow but two of the strongest buds to throw out shoots. These, in the fall, will be from 7 to 10 feet long, and should be cut back to within 4 or 5 feet of the root. The next spring the vine should be fastened to the lower part of the trellis. When growth commences, pinch the buds off, so that the shoots will be from 10 to 12 inches apart. As these grow, train them perpendicularly to the second, third and fourth bars of the trellis. No fruit should be allowed to set above the second bar of the trellis.

During the season when the shoots have reached the upper part of the trellis they may be pinched, to prevent further growth. After the fruit is gathered and the vine has shed its foliage, the cane should then be cut back to two buds. The following spring allow but one bud to throw out a shoot, and treat as in the previous year. This system of pruning should be followed each year. After the vine has undergone the fall pruning it may be laid upon the ground and covered with boughs, to protect it through the winter. Grape-vines should be top-dressed in the spring.

## GRAPES, continued

Grape, may be kept through the winter, and even all the year, in small boxes holding three to five pounds, if placed in a cool, dry room, of even temperature; or they may be spread out to dry for two days and then laid in market baskets, and suspended in a cool, dry cellar.

Few things pay better than a good vineyard. In 1879 we planted one and one-quarter acres of Concords. In 1881 these vines bore a fair crop, which increased each year until, in 1884, the sales from the one and one-quarter acres, at the low price of three cents per pound, gave a net profit of \$400. We could give other similar instances which show the enormous profits in Grape-growing.

The following list contains the best known sorts of the hardy American varieties:

**Brighton.** Bunch large, rather irregular; berries above medium, round, dark red; quality best. Ripens early.

**Campbell's Early.** Vine strong, vigorous and very productive; clusters large and perfect; berries large, black, with a perfect bloom; skin thin; an admirable keeper and shipper; flavor rich, sweet, slightly vinous. In dessert quality it is unrivaled. Early September.

**Concord.** There is no Grape in the catalogue so popular or planted so extensively as this. It succeeds well in almost all parts of the country, and although of northern origin, it is better here than in its native place. Vine a very vigorous grower and enormously productive; comparatively free from disease; bunches large, compact; berries large, round,

black, with a blue bloom; a profitable market sort.

**Catawba.** Bunches and berries large; skin pale red; flesh juicy, sweet and highly aromatic; vine productive. September.

**Delaware.** This Grape is now so well known as to need no commendation. Its earliness, hardiness and admirable sweetness have become too well known to the public to demand more said in its behalf; bunches medium size, compact; berries rather small; skin of a beautiful light red color; exceedingly sweet, sprightly, vinous and aromatic. Ripens in August.

**Empire State.** Another new white Grape of great promise; bunch large-shouldered; berry medium; skin slightly tinged with yellow; flesh tender, rich, juicy, sweet and sprightly; ripens a little after Hartford; vine a good grower and productive.

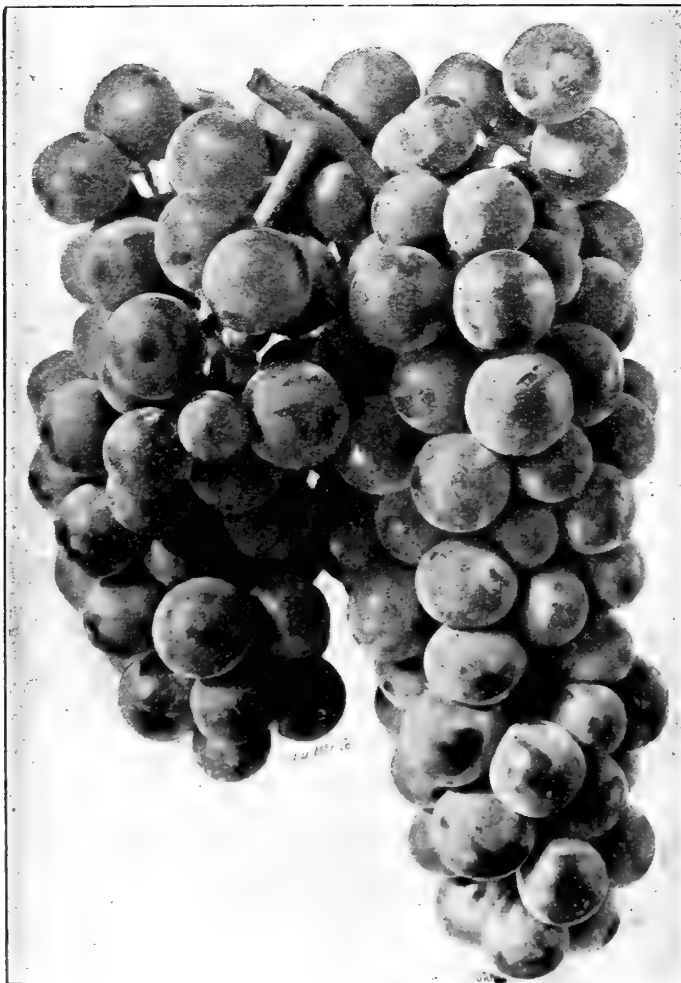
**Eaton.** Bunch large, compact; berries very large, round, black, covered with a thick blue bloom. In general appearance it resembles Moore's Early. Skin thick; juicy, with pulp. A large, showy and excellent Grape.

**Hartford.** A very popular and profitable early Grape; a vigorous grower and a good bearer; free from disease; fruit medium size, black; flesh sweet and soft. Early in August.

**Ives.** Bunch medium to large, sometimes shouldered, compact; berries medium, black; flesh sweet, pulpy and somewhat foxy; should hang some time on vine after it colors; hardy, vigorous, and bears well; deservedly becoming popular. Early.

**James.** Berry of large size and good quality, black; vine very prolific. Commences to ripen about the first of August and continues till frost.

**Jefferson.** This is a magnificent Grape, but further trial must establish its worth. It is said to mildew badly in some localities; bunch large; very red. Late.



Campbell's Early Grape

## GRAPES, continued

**Martha.** This is one of the most reliable white Grapes yet known; bunch medium, compact, shouldered; berry white or greenish, turning to pale yellow when fully ripe; skin thin; flesh very sweet and juicy; a seedling of the Concord, and will take the same rank amongst white Grapes that its parent does amongst the black. A little earlier than Concord.

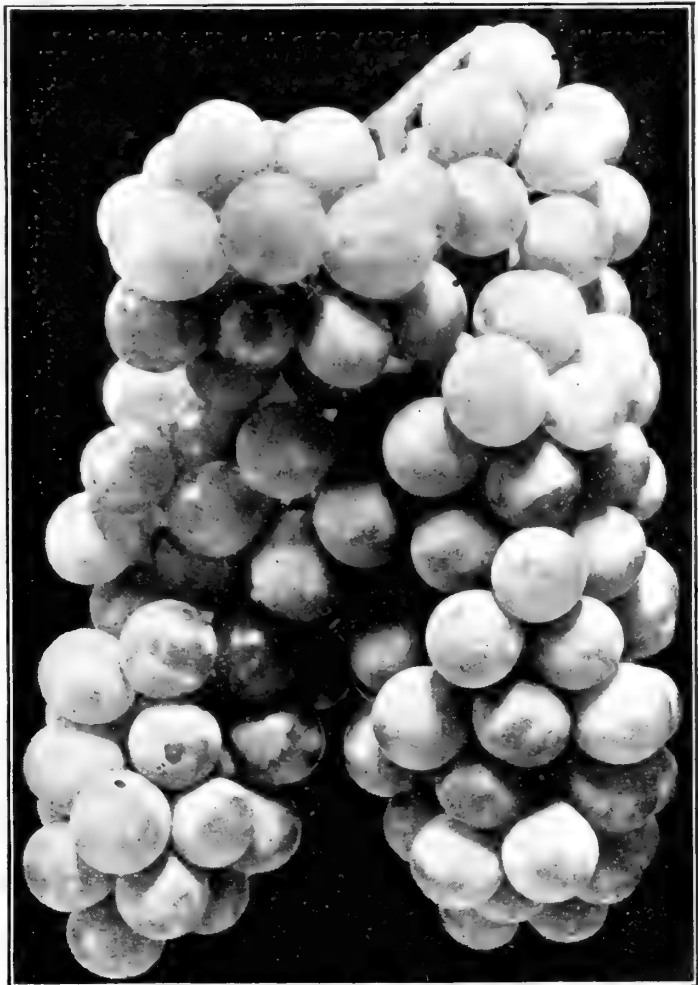
**Moyer.** It ripens with the very earliest varieties, some three weeks before the Concord; not quite as high flavored, and without a trace of foxiness; very juicy and tender to the center; skin thin but tough, to which characteristic, in part, it owes its good keeping, handling and shipping qualities; bunches medium, about the same as Delaware, shouldered; the berries are a little larger and adhere tenaciously to the stem. The color is a rich dark red, even better than that of the Delaware.

**Moore's Diamond.** A pure native; bunch large, compact; berry medium size; color greenish white, with a yellow tinge when fully ripe; flesh juicy, almost without pulp; very good; vine vigorous and productive.

**Moore's Early.** A seedling of the Concord, combining the vigor, health and productiveness of its parent, and ripening a few days earlier than the Hartford; bunch medium; berry quite large; color black, with heavy blue bloom. Its extreme hardiness and size will render it a popular market sort.

**Niagara.** No Grape has been so strongly presented for public favor as this, and for a while it seemed as though it would merit all the praise bestowed upon it. The vine is remarkably vigorous and productive; bunch large, generally shouldered; berry large, roundish; color greenish white, turning to light yellow; skin thin but tough; flesh slightly pulpy, tender and sweet; has a decidedly foxy flavor before fully ripe, which it pretty well loses at maturity. Ripens with Concord.

**Pocklington.** A seedling of the Concord. Vine very hardy, healthy and productive; bunch large, generally shouldered;



Moore's Diamond Grapes

berry light golden yellow when fully ripe, quality good; ripens rather early. It is a good keeper and bears shipping well. It will probably take its place as a valuable standard Grape, being the largest and most showy white Grape of its type yet introduced.

**Scuppernong.** A southern Grape, too tender for a more northern latitude than Virginia; does not even succeed in Virginia much above the tide-water line, but southward it is quite hardy and valuable; vine a vigorous grower; requires no pruning; bunch small, loose, not often containing more than six berries; fruit large round; skin thick, light green; flesh pulpy, juicy, sweet; produces enormous crops. Continues in season about six weeks. A popular southern Grape.

**Worden.** Said to be a seedling of Concord, and is a slight improvement on that variety; ripens a few days earlier; bunch large and compact; berry large, black and of good quality; vine vigorous and productive.

"Thinking you would like to know how my orchard is coming on, I will just say to you, and to whom this may concern, I have bought of W. T. Hood & Co., through Mr. J. R. Coist, their agent, a big bill of fruit trees, which has thoroughly proven the best stock I ever saw. Their trees are not only well pruned, but well branched, well rooted and of a nice thrifty growth, and the fruit is of the finest quality. I shall always plant W. T. Hood & Co.'s trees in preference to any others."—BENTON TANKERSLEY, East Lexington, Va.



# Small Fruits

The small fruits, such as Strawberries, Raspberries, Blackberries, Gooseberries, Currants, etc., ripening from the first of June till fall, are everywhere capable of successful cultivation, and yield large returns at comparatively small expense. They should have a place in every garden. Since the introduction of self-sealing jars and cans, they can be had throughout the year almost as fresh as when gathered.

## Select Currants

**Black Naples.** Very large; black; valuable for jams and jellies; has a strong, musky odor.

**Cherry.** Very large; red; strong grower and moderately productive; fine for preserving, and a valuable market variety.

**Fay's Prolific.** This Currant has now been before the public a number of years, and we believe has pretty well sustained the claims of its disseminator, who says of it: "Color rich red; as compared with the Cherry Currant, Fay's Prolific is equal in size, better in flavor, containing less acid, and five times as prolific, and

from its long, peculiar stem, less expensive to pick."

**La Versaillaise.** One of the largest and best Currants; an enormous bearer; red; flavor good; very similar to Cherry.

**Lee's Prolific.** A black variety of recent introduction, and perhaps the best of its class; earlier than Black Naples, with the peculiar musky flavor of that variety; fruit large; very prolific.

**North Star.** This new Currant is of remarkably vigorous growth and wonderfully prolific; the stems of fruit thickly set average 4 inches in length. The fruit is very sweet and rich, a fine dessert fruit and unequaled for jelly. It is extremely hardy; bears early.

**Perfection.** In color it is a beautiful, bright red, and of a size larger than the Fay; the clusters average longer and the size of the berries is maintained to the end of the bunch. It is one of the most productive Currants we have ever known, and in quality it is superior to anything in the market, being of a rich, mild, subacid flavor and having plenty of pulp with few seeds.

**Pomona.** Is a strong grower; hardy and very productive. Colored and very sweet; few and very small seeds. A very valuable sort.

**Red Dutch.** Larger than the common red and clusters much larger and less acid; one of the best red Currants.

**Victoria.** A late variety, of rather large size; red; bunch long; productive.

**White Grape.** The best white Currant; bunch moderately long; berries large; very productive; less acid than the red Currants; fine for table.

**White Dutch.** Rather large; white; good.



Pomona Currants

☞ "Enclosed find check to cover bill. Trees are satisfactory and am pleased with them. Thanks."—C. J. FRENCH, Coakley, Va.

## Gooseberries

Until quite recently no interest has been felt in the cultivation of this fruit further than to grow a meager supply for home consumption, yet there are few crops that will yield as satisfactory returns; certainly none more certain with so little expense in cultivation.

**Downing.** A seedling of the Houghton; an upright, vigorous growing plant; fruit larger than its parent; color whitish green; flesh rather soft, juicy, very good; productive. Valuable market sort.

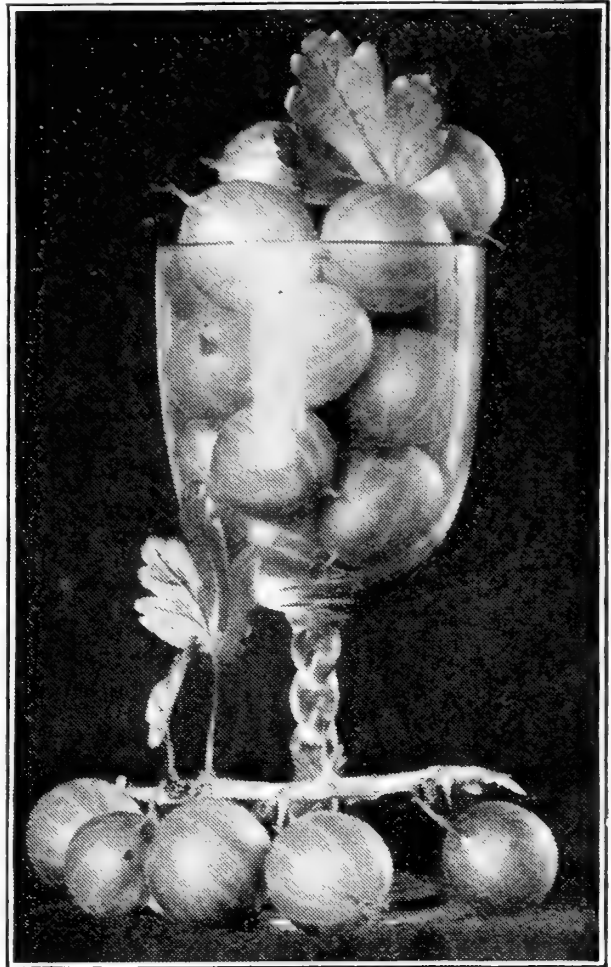
**Houghton's Seedling.** Rather small; pale red; flesh tender, juicy, sweet and pleasant; produces enormous crops; free from mildew. Most profitable market variety.

**Houghton's Seedling.** Rather small; pale red; flesh tender, juicy, sweet and pleasant; produces enormous crops; free from mildew. Most profitable market variety.

**Pearl.** Very highly commended after extensive testing; good in all respects. Very similar to Downing, in fact some growers have claimed there is no difference, but the two sorts are certainly distinct. Berries round or slightly oval, smooth, light yellowish green. Has all of Downing's good traits, a little larger, more prolific. July 10.

**Red Jacket.** As large as the largest. Berry smooth; very prolific and hardy; quality and foliage the best. For seven years it has stood close to Triumph, Crown Bob, White Smith, Smith's Improved, Downing, and a dozen other (English) sorts; and while all these have mildewed more or less in leaf and fruit, mildew has never yet appeared on Red Jacket.

**Smith's Seedling.** A new variety grown from seed of the Houghton; more vigorous and upright in growth of plant



Gooseberries

than its parent; the fruit is larger and somewhat oval in form; light green flesh, moderately firm, sweet and good; shy bearer.

## Raspberries

Both red and blackcap Raspberries are very easily grown. Blackcaps should be planted in rows 3 x 7 feet and the red 3 x 6 or 5 feet each way, and if particular in planting to work both ways will cost very little for cultivation. They will do well on most any good, well-drained soil, and the richer the better. One of our gardeners received from one acre of Cuthbert, season of 1894, \$405 at wholesale price.

**Cuthbert.** (Queen of the Market.) Canes strong, upright, very vigorous, sometimes branching; foliage luxuriant; fruit large to very large, red; moderately firm, with light, sprightly flavor; very productive. Its many valuable qualities render it desirable for home or market culture. It succeeds well generally, and is almost the only one that can be relied on in the cotton states. We commend it to planters in all sections.

**Columbian.** An improvement on Shaffer's which it resembles, but the

berry is firmer; adheres to the bush much longer and retains its shape better, both on the market and for canning; bush a strong grower, attaining a very large size; one of the hardiest, and wonderfully prolific; unexcelled for productiveness, and stands at the head for canning, making jam, jelly, etc. Fruit very large, dark red.

**Cumberland.** A black Raspberry; large berry; hardy, firm and productive. It is a strong, vigorous grower, and fully equal to the Gregg. We have not fruited it yet.

## RASPBERRIES, continued

**Gregg.** This is one of the largest, if not the largest, of the Blackcap family; fruit large, black, with a slight bloom; flesh quite firm, moderately juicy, sweet and rich; the fruit ripens late and very evenly, making the picking season short; it is a very strong grower and good bearer. Should be planted freely.

**Golden Queen.** A seedling or "sport" of the Cuthbert, and in hardiness and vigorous growth of plant resembles that variety; fruit of large size; color beautiful yellow; flavor excellent.

**Kansas.** Strong, vigorous grower, standing extremes of drought and cold, and bearing immense crops; early, ripening just after Palmer; berries size of Gregg, of better color; jet black and almost free from bloom; firm, of best quality; presents a handsome appearance and brings highest price in market. Every planter who wants a prolific, hardy, early berry of immense size, handsome appearance and superb quality should plant it.

**King.** Origin, Va. Probably the best early red. Strong grower, very productive; berries large, firm, bright, beautiful. A good early market sort. June 1.

**Miller Red.** This new red Raspberry originated in Sussex county, Delaware, and is very popular with a few fruit-growers in that section who have preferred to market the fruit rather than sell the plants. Berry is as large as Cuthbert, holding its size to the end of the season; round in

shape; color bright red, does not fade, but will hold its color after shipment longer than any other red variety; core very small; does not crumble, making it the firmest and best shipping berry in existence; has not the flat taste of some varieties, but a rich, fruity flavor, entirely its own. The time of ripening is with the very earliest, the first picking being with Thompson's Early, June 11; the Miller producing double the quantity of berries at each picking that Thompson's did, in the same field under the same conditions, continuing until August 3.

**Munger.** Description of introducer: "The fruit of Munger is black and resembles Gregg very much. It is a better flavored berry than Gregg, tougher in texture, and therefore a better shipper. In size it excels Gregg by almost 25 per cent, being extra fine for canning and evaporating. Its season of ripening is from five to eight days later than Gregg, and has a special faculty of withstanding drought and hot sun. The past season, when most others were dry and seedy, Munger ripened up sweet and juicy, and readily brought an advance of 50 cents per bushel over other kinds. The canes, too, resemble Gregg, are free from disease, upright in growth and have never yet been affected by the cold of winter." One of the best black Raspberries.

**Ohio.** This berry is one of the most profitable for evaporating on the list at the present day. The fruit is of medium



Miller Red Raspberries

**RASPBERRIES, continued**

size, but very sweet; one of the best for table use. We think it ahead of the Gregg for family use, as it is not so seedy. We recommend it as one of the very best.

**Souhegan.** Cap. A week or ten days earlier than Doolittle; strong grower; very hardy; fruit large; jet black; handsome. One of the very best of the caps.

**Thompson's Early Prolific.** Red. For earliness, hardiness, vigor, beauty and quality it is unsurpassed. It is a vigorous grower, canes 4 to 6 feet high; very healthy foliage; very productive of large, bright red, firm berries of good quality.



Erie Blackberries

## Select Blackberries

Should be planted in rows 6 to 7 feet apart, 3 to 5 feet in the rows. Keep the ground light and rich. Pinch the canes back when they have reached 4 feet in height.

**Eldorado.** A description by the introducer: "Like many of our best fruits, Eldorado is an accidental seedling and takes its name from the town close by where it was found, in Preble county, Ohio. It has been cultivated twelve years, and under careful test at different experiment stations for four years has never winter-killed or failed to produce a full crop of the finest fruit. The vines are very vigorous and hardy, enduring the winters of the far Northwest without injury, and their yield is enormous. The berries are very large, jet black, borne in large clusters, and ripen well together; they are very sweet, melting and pleasing to the taste, have no hard core, and keep for eight or ten days after picking with quality unimpaired."

**Erie.** For four years we have been growing this new berry, and it is the most vigorous and healthy plant of any Blackberry we have ever grown, and thus far absolutely hardy. Very productive of berries of the largest size, coal-black, firm and solid, and sells in the market at highest prices; fine form and ripens early. Is being extensively planted both in family and market gardens.

**Early Harvest.** One of the earliest, if

not the very earliest Blackberry yet introduced, ripening two weeks before Wilson's Early; berry medium size, good quality and very prolific; it is firm and very attractive in appearance. A good market sort.

**Iceberg.** A new white Blackberry; was originated by Luther Burbank; clusters large; berries as large, earlier, sweeter and more tender throughout than the Lawton; white; transparent.

**Lucretia.** This is a trailing Blackberry, or Dewberry; a good grower and productive; fruit large and of good flavor.

**Snyder.** The one great Blackberry for market in the far North, as it is the most vigorous, hardy, productive and reliable of all; has never been known to winter-kill, even in the Northwest, with 25 to 30 degrees below zero. Fruit of medium size and good quality; ripens medium to late.

**Wilson's Early.** A well-known and most valuable sort; it is of very large size and very productive, ripening its fruit quite early and maturing the whole crop in a short time, adding thereby greatly to its value as a berry for early marketing. There has been more fruit grown of this variety during the last twenty years than all other sorts combined.

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"In regard to your nursery stock, I must say that it is very fine. Every one of my customers give it great praise. They say your stock is larger and better grown, and shipped in better condition than any other nurseryman's they have ever seen. My customers say they never expect to purchase of any other nursery if they can get your trees. I am proud to say I have been with you fourteen years, and hope it may be so I can continue with you."—T. W. S. FOLEY, Mt. Storm, W. Va.





## Strawberries

We think there is no fruit that is more healthful and will give better satisfaction. No home or garden should be without them, and should have fresh berries from three to five weeks. Strawberries should be planted either in the fall or spring. We have better success in planting in early spring, although we plant up to the time that berries are nearly ripe and we always succeed. Before planting we clip the roots off, and if it is late in the spring we cut all foliage off and dip roots in a thin puddle of mud before planting. When we used to grow Wilson largely for market we planted with rows 3 feet apart and 12 to 15 inches in the row, but since we have been growing strong varieties, as the Tennessee Prolific has proved to be, we plant rows 4 feet apart and 3 feet apart in the rows, and on good land we find it plenty close. While any land that will grow good corn will grow good Strawberries, it will pay to have or make the land very rich before planting. It takes no more work for an acre to produce 150 to 200 bushels than 25 to 50 bushels.

Strawberries are a fruit that we have never made a failure of. If we should have late frosts and cut off the first blooms, there will always be a later bloom and you are always sure of half a crop of berries.

In the list that we present to you they have nearly all been well tried by us, but we do not advise you to plant many varieties, as any two or three will give you all you wish for home use, and, as a market berry here, we would plant only the Tennessee Prolific.

The blossoms of most varieties are perfect or bisexual, except those marked P., which are destitute of stamens, and are termed pistillate or imperfect flowering varieties. They must be planted near some perfect-flowering sort or they will produce little or no fruit. Crescent, Bubach, Haverland, Greenville and Crystal City are of this class, but are among the most productive when plants of such varieties as Charles Downing, Sharpless, Tennessee Prolific, Jessie and Lady Thompson, and other perfect-flowering sorts are planted in the same field alternately. At least every fifth row in a field of pistillates should be planted with some perfect-flowering sort; while, if as many of a perfect-flowering sort are to be planted, it is better to plant in alternate rows.

All bloom should be cut off as soon as it makes its appearance after spring planting, as it will weaken the plant very much to allow it to fruit the first season, and results will not be nearly as good as if cut off.

To grow fine berries they should be cultivated well from spring to fall, running a light cultivator after each rain, and also keep all weeds pulled out of rows. If the row is kept from 15 to 18 inches wide, and the plants thinned out in the rows, the result will be much larger and finer berries.



## STRAWBERRIES, continued

**Aroma** (Per.). Plant shows no weakness of any kind. Fruit very large, roundish, conical, rarely misshapen, glossy red, of excellent quality, and produces in abundance.

**Bubach's No. 5.** P. Combines many excellent qualities, such as great and uniform size, fine form and color, good quality of fruit, unsurpassed productiveness and great vigor of plant. It ripens almost as early as the Crescent, and continues about as long in bearing, and fully as prolific. Leaves large, dark green, and endures the hottest sun perfectly. Is taking the lead in many sections, and is one of the best large berries for home use.

**Brandywine.** Originated in Pennsylvania. The introducer claims it to be of large size; firm and of best quality, continues a long time in fruit, and the plants very strong with perfect foliage.

**Chesapeake.** Introducer's description: "This variety is as late as the Gandy, more productive on lighter soils and equal to it in size; its shipping quality far excels that popular standard variety; in eating quality it ranks among the best, equaling such varieties as William Belt, Brunette and others of that class. Therefore we have attained two of the strongest to a larger degree than has ever been attained in any other variety, quality and firmness. The plant is a strong, upright grower, with thick, leathery and very dark green foliage, leaves almost round and entirely free from rust. The fruit stalks are upright and unusually strong, holding almost the entire crop from the ground."

**Cumberland.** (Cumberland Triumph) Very large, regular and uniform in size; light scarlet; very handsome; flesh juicy and good flavor; plant very vigorous and productive. It succeeds well almost everywhere. All things considered, this is one of the most valuable sorts, and is

very popular with our Richmond fruit-growers.

**Gandy.** One of the latest berries we have. The berries are large, uniform in size, and of bright and firm color; very popular as a market variety, coming in when other varieties are run down and small. It is fine for home market.

**Lady Thompson.** Origin, North Carolina, and it has more good points than any berry ever grown being very early, very large, a perfect bloomer and good shipper. It is of good color and fine flavor.

**Richmond.** This variety originated in the vicinity of our city, where it has given general satisfaction. The originator describes it as follows: Large size, beautiful color; the appearance of being varnished, large double calyx like Gandy; immensely productive. Its season is from four to five weeks. Very richest and best quality; best shipper, has a very tough skin, not easily broken by handling.

**Sharpless.** This large, showy Strawberry originated with J. K. Sharpless, Catawissa, Pa. Fruit large to very large; bright scarlet, somewhat glossy; flesh light red, quite firm, moderately juicy, sweet, rich, and of very good flavor; medium to late in ripening; a most excellent sort for family use, and also a very profitable one for market.

**Tennessee Prolific.** A seedling of Crescent crossed with Sharpless, clearly showing parentage of both; perfect-flowering, vigorous, stocky plant, healthy in every way; very productive of medium to large bright scarlet berries of fine quality; ripens medium to early; is a fine market or family berry, thriving well on quite light dry soil.

**Tennessee Favorite.** A perfect bloomer. This berry does best on low, strong land; it ripens at same season as Aroma and excels that berry in prolificness and shipping qualities. Every Strawberry grower should give this berry a trial.

## Figs

**Brunswick.** Very large; color violet; quality excellent; very reliable. Bears young, often fruiting in the nursery rows, and is very productive.

**Black Ischia.** Medium; blue-black; good.

**Brown Turkey.** Medium; brown; sweet and excellent; very prolific. Most reliable for field culture.

**Green Ischia.** Green-crimson pulp; prolific.

**Lemon.** Medium to large, yellow, sweet; a profuse and early bearer; very desirable; pulp sweet and of excellent quality; trees of this variety have been known to yield twelve bushels of excellent fruit annually for many years in succession.

"Shipment (1,000 Elbertas) received. It was the prettiest lot of trees ever received by me."—J. R. CANTELOU, Montgomery, Ala.

## Nut-Bearing Trees

Our foremost enterprising fruit-growers are planting Nut Trees largely for market purposes; and others who enjoy the nuts during winter are realizing that in order to have an abundant supply it is only necessary to plant the trees, as hardy varieties are now grown that succeed in all sections of the United States.

Until recently Nut Trees have been but little grown in nurseries, and in consequence all transplanted trees have come from the forests or where they have come up and grown naturally, and having but little or no fibrous roots, their transplanting has been attended with much uncertainty, and the impression has been formed that they could not be transplanted, but that to insure success the seed must be planted where the tree is intended to stand, which is erroneous, and has deterred many from engaging in this profitable industry. Many of the nut-bearing trees, when grown in nurseries, are well supplied with fibrous roots, and can be transplanted as safely as an apple tree, and the planter has the benefit of the three or four years' growth in the nursery over that of planting the seed, with the uncertainty of their coming up regularly, the time, care and attention required to get them properly started.

### Chestnuts

**Japan Mammoth.** This valuable new nut is attracting widespread attention. Bears young and abundantly; like all valuable fruits nowadays, it is necessary to graft to secure and maintain the most reliable kinds; the tree is dwarf in habit, hardy and ornamental. The winter of 1896 we imported 4,000 one-year grafted Chestnuts from Japan, and some of these trees fruited in the nursery the same year, and all we had left unsold fruited in 1898. We planted out another lot of 5,000 from Japan in the spring of 1898, and many of them fruited the same season. Small trees of 2 to 2½ feet, with twelve to fifteen burs, and with three to five large Chestnuts in a bur.

**Paragon.** (Great American). The most widely planted and most uniformly successful variety yet cultivated in the United States. The three or more broad, thick, handsome nuts in each bur are of extra size and quality. The tree makes a strong growth, bears early and abundantly. Trees four years from graft have produced one bushel each.

**Spanish.** A vigorous grower, and forms a handsome head for lawn planting; a valuable for ornament and fruit. Fruit larger than the American; sweet and excellent when boiled or roasted. Bears early.

**American.** The well-known native variety; a stately tree, with broader leaves than the European, and producing smaller nuts but a large quantity of them. The timber is very useful for many purposes.

### Butternuts

A handsome, rapid-growing, luxuriant, tropical looking tree; very ornamental and productive; the nuts are somewhat like black walnuts, but longer and flat; the kernel is much sweeter and rich and more delicate; fine flavor.

### Walnuts

**Siebold's Japan.** Of the finer imported Walnuts this is the species best adapted by its hardy, vigorous habit for general culture in our country. It grows with great vigor, assuming a handsome shape without pruning, and has withstood a temperature of 21 degrees below zero without injury. Its nuts are considerably larger than the common hickory-nut, and borne in clusters of fifteen to twenty. The shell is a little thicker than that of the English Walnut, which it resembles in a general way; the kernels are meaty, delicate and can be removed entire. The trees begin to bear when two or three years old.

**Japan Cordiformis.** Differs from the above chiefly in the form of the nuts, which are broad, pointed and somewhat flattened. The kernels are large, sweet, and easily removed from the shell.

**English.** A fine, lofty-growing tree, with a fine spreading head, and bearing crops of large and excellent nuts. The fruit in a green state is highly esteemed for pickling, and the great quantity of the ripe nuts annually imported and sold here attest to its value; the tree is peculiarly well adapted to the climate of the South.

**American Black.** This is the common native variety. The nuts are excellent and always desirable; besides, the wood is very valuable for many uses.

**Manchurica.** Stands several degrees below zero without injury. It is a vigorous, free grower and transplants readily; very prolific, producing nuts in clusters and comes to fruiting very young. It puts out leaves and blossoms late in spring, and is therefore especially desirable for sections subject to late frosts. The nut is larger than in the ordinary varieties, the kernel full, plump, meaty, sweeter, richer in oils and of fine flavor. The shell is thin, but does not crack in handling still may be crushed in the fingers.

## Almonds

**Hard Shell.** A fine, hardy variety, with a large plump kernel, and with large, showy, ornamental blossoms.

**Soft, or Paper Shell.** This is what is known as the "Ladies' Almond," or "Lady Finger of the Shops," and although preferable to Hard Shell, it is not so hardy; kernels sweet and rich.

## English Filbert

The fruit of this being so much larger and better flavored than our native species, gives it the preference for cultivation over the latter in localities where it will succeed.

## Budded and Grafted Pecans

There are many varieties offered—far more than is necessary. We advise planting only a few of the leading standard sorts such as have been proven by experience to be the best, size, quality, productiveness and thinness of shell considered. Such we offer as described below:

**Stuart.** Large, averaging forty to fifty to the pound; shell moderately thin; cracking quality good; kernel bright, plump; flavor rich and good. Tree strong, upright spreading grower and an abundant bearer.

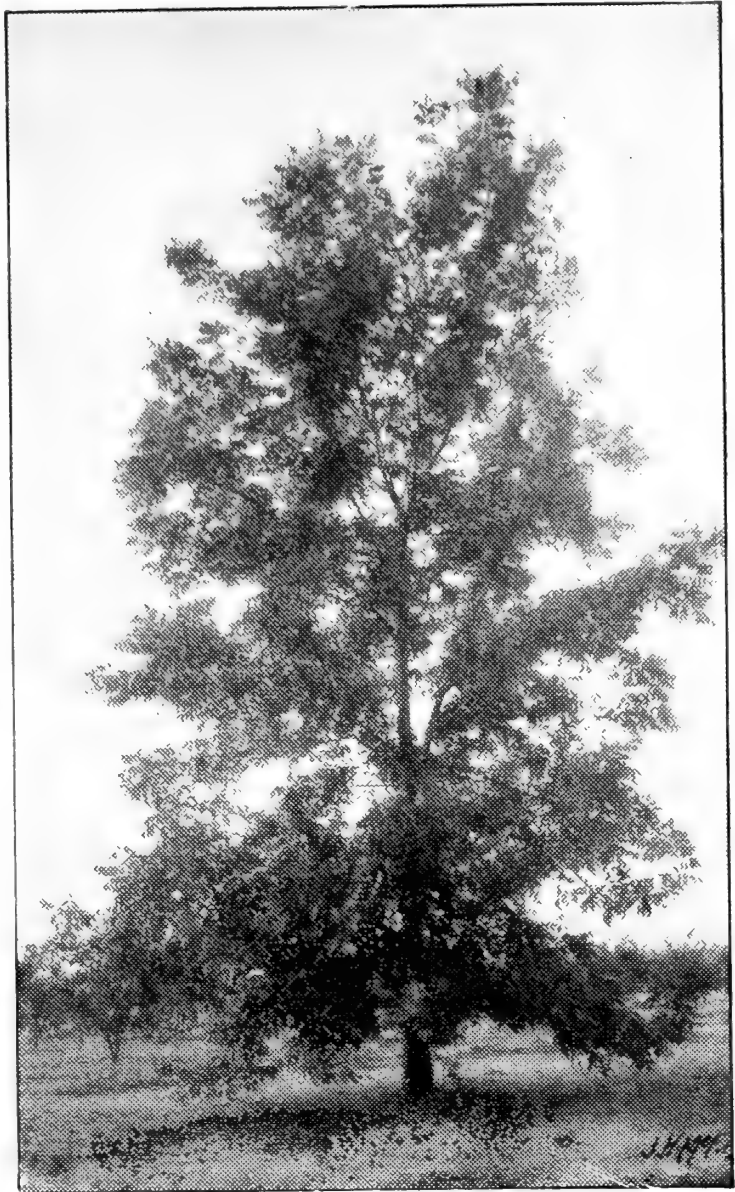
**Van Deman.** Large, averaging forty-five to fifty-five to the pound; form long; shell moderately thin, cracks easily; quality rich and good. Tree strong, moderately erect, productive.

**Moneymaker.** Large, roundish, good. Tree a good grower and very productive; one of the earliest to come into bearing.

**Frotscher.** Large, forty-five to fifty to the pound; shell very thin, but rather poor in quality. Tree a good grower and comes into bearing early.

There are many other well-known varieties, such as Russell, Bolton, Schley and others, but it seems to be the general opinion that there is nothing that will surpass Stuart, Van Deman and Moneymaker.

"I have had seventeen years' experience in trying your nursery stock. It has been fully tried and I find none to equal it. Too much cannot be said in favor of the stock sent out by you."—J. M. ROBINSON, Woodford, S. C.



Pecan Tree

## Seedling Pecan

The common wild native variety found in the South, produced from the seed; bears regular crops of medium size; very salable nuts and good. The trees grow very slow in the nursery until about three of four years, and after being planted out they grow very fast and make very fine large trees.

**Paper-shell.** This is, indeed, the most valuable nut yet introduced; large, often  $1\frac{1}{2}$  inches in length; thin shell; the kernel is very large, rich, sweet and delicious. Enormous profits have been received from the culture of this nut; many thousand trees are being planted, and soon the nut industry, especially of the South, will be very large.

## Shellbark

A species of the Hickory. The nut is small, rather flat, with thin shell; it is very rich, sweet and delicious.

# Esculent Roots

## Asparagus

There is not a more valuable vegetable for the home or market garden, both for health and profit, than this, and no garden should be without it. For home use, 100 roots, or one row 60 yards long, will furnish Asparagus for the table every day from the first of April until the 15th of June. If wanted for market or bleached for home use, plant in rows 6 feet apart and 18 inches to 2 feet in the rows.

**Preparation.**—For early production, choose a light land, and plant rows running north and south. Open out with plow, running both ways rows 6 feet apart, as deep as possible, and if not deep enough subsoil and dig out to 15 or 18 inches with spade or shovel; then fill in with well-worked manure to about 10 inches of the top; plant crown on top of manure and cover lightly with earth. Keep all weeds down first year, and at each working fill in a little soil, and in the fall cover with manure, and as soon as weather in the following spring will permit, ridge up as high as you can with double plow and rake off smooth with rake. Any crop that can be cultivated, such as corn or potatoes, can be grown between the rows.



Barr's Mammoth Asparagus

**Barr's Mammoth.** A fine large sort, grown largely for the Philadelphia market, where it is a favorite. The stalks are often an inch in diameter, and retain their thickness nearly to the top.

**Conover's Colossal.** A standard kind of first quality; tender and high flavored.

**Columbian White.** This new variety, catalogued by seedsmen in 1895, is claimed as being a very fine, vigorous grower, and producing white Asparagus without hilling up. We hardly think that it would be clear white unless hilled, but think it worthy of trial by all Asparagus growers.

**Giant Argenteuil.** A new French variety that makes crowns strong enough for cutting before any other sort and yields enormous crops of mammoth, tender stalks.

**Palmetto, or French.** Southern origin; new; ten days earlier than other kinds; valuable for home or market; largest, tender; regular growth. One of the best.

## Rhubarb, or Pie Plant

A very desirable vegetable; comes early in the spring. The large stems of the leaves are used for pie-making and stewing. It is also a paying crop for market, as it comes in when apples are scarce and high, and takes their place for tarts. It should be planted on very rich ground, and well manured every fall. It should be planted, for market purposes, 4 feet each way in the rows. There are several varieties grown, but we consider Myatt's Linnæus as the best, and it is the only kind we grow. Myatt's Linnæus is an extra-early good variety; large and tender, with delicate flavor.

## Horse-Radish

Every home garden should have Horse-radish. It is also a very profitable crop to grow for market. It should be planted in good, rich soil early in the spring. It is grown from small roots cut from 3 to 4 inches long, and planted about 6 inches from the top of the ground. It should be taken up in winter, and small side roots used for planting and large roots stored away for market.

"It is with great pleasure that I testify to the superior quality of your stock of trees, etc. Those bought of you, through your agent, Capt. J. S. Coates, prove in a most satisfactory manner their rapid-growing qualities and early bearing habit. No other stock equals them in this country."—GEORGE T. HARRIS, Moody, Virginia.

"Your trees give perfect satisfaction."—A. W. ASHBY, Bluemont, Va.



Avenue of American Elms

## Ornamental Department

While most people appreciate well-arranged and kept grounds, large or small, many fail to realize that they can have equally fine grounds. These have had a few shrubs or roses growing in thick turf, with no attention given to pruning or cultivating. Under such circumstances, good results cannot be expected.

Aside from the pleasure of having fine trees, shrubs, vines and flowers in the grounds surrounding a home, few realize how much these add to the commercial value of the place. A purchaser having to decide between a house with bare and unkempt grounds and one surrounded by fine ornamentals, invariably chooses the latter at a marked advance in price, because he sees that he will at once enjoy what it would otherwise take some years to secure. Sagacious men are led by a knowledge of these facts to plant fine trees and shrubs about vacant lots they are intending to put upon the market. Lots thus planted readily secure purchasers at good prices, when bare grounds go begging for buyers.

### HOW TO PLANT

Do not make the mistake of planting at random all over the grounds. A fine, well-cut lawn is one of the handsomest features of a place. Trees may be planted along a lane or avenue leading to the house, or dotted about the lawn on lines radiating from the house. This will secure light and air, with good views from the house. Upright shrubs and roses should be planted in beds, each class by itself, about the borders of the grounds. These beds should be well cultivated and the plants annually pruned. When the growth of the plants has made them very thick, some should be taken out. It will not do to plant so little that years must elapse before a fine effect will be produced. A surplus should be planted at first, and this gradually be taken out. Vines should be planted near to and allowed to climb upon and about the house, or they may be trained on posts, arbors or stakes, placed in suitable locations on the lawn.

### WHAT TO PLANT

A detailed list of desirable ornamental trees and shrubs would be little less than a recapitulation of our entire list; but as few have room for all, we here present a list of the most desirable in each class and refer the reader to the proper place in the Catalogue for descriptions of them.

**Flowering Trees.** May—Magnolias in variety, Horse-chestnuts, Flowering Cherry. June—Laburnum, Syringæfolia, Lindens in variety.

**Trees Valued for their Form and Foliage.** Cut-leaved Weeping Birch, Kilmar-nock Willow, Weeping Mountain Ash, European Linden, White-leaved Weeping Linden, Norway Maple, Purple-leaved Beech, Teas' Weeping Mulberry.



**Evergreen Trees.** Norway Spruce, Scotch Pine, Chinese Golden Arborvitæ, Irish Juniper, American Arborvitæ, Silver and Balsam Firs, Colorado Blue Spruce, Deodar Cedar, etc.

**Upright Flowering Shrubs.** April—Japan Quince, Double-flowering Plum, Dwarf Double-flowering Almonds, Spirea, Lilacs in variety. June—*Deutzia gracilis* and *D. crenata fl. pl.*, Snowball, Weigela in variety, Syringa, Calycanthus. July—*Spiræa callosa* and *S. callosa alba*. August and September—Althea in variety, *Hydrangea paniculata grandiflora*.

**Roses.** Climbing and Moss, blooming in May and June; Hybrid Perpetual and Perpetual Moss, blooming at intervals all summer, and tender Tea Roses, blooming constantly.

## Deciduous Trees

We invite special attention to this select list of trees, so well suited to the lawn and yard, or as shade trees for streets in cities or towns.

### Beech

**Purple-leaved.** Foliage deep purple in the spring, but under our hot sun and in dry seasons it loses much of its color. For the northern states it is a very desirable tree.

### Catalpa

This desirable and attractive tree is now widely known. It is planted for shade, also for its blossoms, and on account of its value as a timber tree. Whole tracts of land have been planted in the West for this purpose, as it is a very rapid grower, and found to be very desirable for railroad ties, etc. "Massive in all its proportions, straight and rigid, it looks like a production of the tropical zone; yet it seems to be entirely hardy, with its immense leaves, sometimes lobed, velvety brown when they

first appear, and changing into dark green, followed by immense panicles of flowers, containing sometimes between three and four hundred buds and blossoms, contrasting finely with its dark, massive foliage. It may be truly called a regal tree."

**Bungei.** One of the most attractive of trees. It forms a perfect half-globular or umbrella head, with foliage of a deep green color, and with great precision, making a beautiful roof of leaves. A most striking and ornamental tree upon the lawn.

### Cherry. Cerasus

Large, double-flowering; produces a profusion of double white flowers in the early spring.

### Dogwood

**Common.** A small-sized native tree of great beauty when in bloom. Floral covering (incorrectly flowers) large, pure white, followed by brilliant scarlet fruit in autumn.

### Elm

**American, or White.** A native tree of large size, with spreading head and graceful, drooping branches. Of all trees, no other perhaps unites in the same degree majesty and beauty, grace and grandeur, as this one does. It flourishes in all parts of the country and deserves to be more generally planted.

### Horse-Chestnut

**Common White-flowered.** A handsomely formed tree, with very attractive flowers; succeeds well in the northern states and in the elevated portions of the southern states, but in many places South its foliage burns under the hot sun.



Catalpa Bungei



Avenue of Norway Maples

**HORSE-CHESTNUT, continued**

**Red-flowered.** A superb tree in foliage and flowers; the foliage is darker green than the white, and the flowers showy red, coming later. Very desirable.

**Ohio Buckeye.** A native of the western states, forming a large-sized tree; flowers pale yellow.

**Judas Tree. Red-Bud**

A very ornamental tree of small size, with heart-shaped leaves, and is covered with a profusion of delicate pink flowers before the foliage appears.

**Japan.** Recently introduced from Japan. The flowers are larger than the above species, and a light rose color. It is entirely hardy and very beautiful.

**Kentucky Coffee Tree**

A large-growing tree, with rough bark, stiff, blunt shoots and feathery foliage.

**Laburnum. Golden Chain**

A very ornamental small tree, a native of Europe, with smooth, shining foliage, bearing a profusion of drooping racemes of yellow flowers.

**Linden**

**American Basswood.** A large native, rapid-growing tree, with large leaves and fragrant flowers; fine for street or lawn planting. Is becoming very popular, and deservedly so.

**European.** A fine pyramidal tree, more compact in its habit than the above, but does not attain as large a size. A very popular tree.

**LINDEN, continued**

**White-leaved European.** A vigorous growing tree; its handsome form, growth and foliage render it worthy to be classed amongst the best of our ornamental trees.

**Mountain Ash**

**European.** A small tree, with shining pinnate leaves and large cymes of white flowers, followed by clusters of bright red fruit.

**Maples**

**Silver-leaved.** A hardy, rapid-growing native tree, attaining a large size; valuable for producing a quick shade; fine for street and park planting, for which purpose it is planted more largely than any other tree.

**Norway.** One of the most beautiful and desirable trees known. Foliage broad, deep green, shining; its compact habit and stout and vigorous growth render it one of the most valuable trees for street or lawn planting.

**Sugar.** A well-known native tree, of stately growth, fine form and foliage; very desirable as an ornamental and shade tree.

**Sycamore.** A European species of moderate size. Leaves large, dark green.

**Schwedler's.** This beautiful Maple of recent introduction is attracting considerable attention; it is of the Norway family and of about the same habit of growth; its handsome purplish crimson leaves in May and June, changing to a bronze as they mature, are much admired.

**Red, or Scarlet.** A native species, of moderate size, producing deep red blossoms, and in autumn the foliage changes to a brilliant scarlet.

**JAPAN MAPLES**

Mostly dwarf habit, several kinds weeping and cut-leaved, with brightly colored foliage, red, purple, etc. These are indeed remarkable for beauty, and wherever planted give perfect satisfaction.

**Platanus. Buttonwood**

**Oriental Sycamore.** A tree of the largest size, growing rapidly, very ornamental and entirely hardy.

**Poplar**

**Carolina, or Cottonwood.** A large-sized tree, of remarkably rapid growth.

**Lombardy.** A tall, pyramidal compact-growing tree, rapid grower and very hardy. Widely planted in the southern part of Europe.

**Peach**

The three varieties described below are all very attractive, and their effect is very pleasing when all are grouped together.

**Double White - flowering.** Flowers pure white and very double.

**Double Rose - flowering.** Flowers double, pale, rose-colored; resemble small roses; very pretty.

**Double Red - flowering.** Flowers semi-double, bright red; very fine.

**Sweet Gum**

A fine ornamental tree, the foliage resembling that of the Maple; corky bark; leaves change to deep crimson in autumn.

**Tulip Tree**

A magnificent native tree; large, smooth, shining leaves; flowers tulip-shaped, greenish yellow; fine for shade; difficult to transplant except when of small size.

**Texas Umbrella Tree**

It assumes a dense spreading head resembling a gigantic umbrella, is of unique appearance and a most desirable shade tree. It is not entirely hardy here.

## Weeping Trees

**Birch**

**Weeping Cut-leaved.** A charming tree in the northern states, but does not show so much beauty South, except in very favorable locations. It is of very graceful, drooping habit, silvery white bark, and delicate cut foliage. Trees liable to sunscald.

**C. Japonica.** The famous ornamental Cherry of Japan, where it is cultivated in many forms. Some of them full double. One of the handsomest flowering specimen trees in cultivation.

**Dogwood**

**Weeping.** This valuable tree is among the earliest bloomers, and its beautiful white blossoms in spring, and red berries in fall, make it one of the handsomest ornaments for the front yard or lawn that can be planted, while it presents a dense and beautiful green foliage during the entire growing season. No one should fail to secure one of these hardy, truly ornamental trees.

**Mountain Ash**

**Weeping** (*Sorbus aucuparia pendula*). The branches of this distinct variety are of a straggling, pendent habit; a rapid grower, but is not satisfactory South and is liable to sunscald.

**Mulberry**

**Teas' Weeping.** This is one of the most graceful and hardy among the weeping trees, and has only to be known to be appreciated; the foliage is a beautiful glossy green and very abundant, and the tree a rapid grower. No weeping tree is so well adapted to our southern climate as this, or gives such general satisfaction.

**Willow**

**Common Weeping.** One of the most graceful and beautiful of the weeping trees; it is of rapid growth, attaining a very large size, showing its great beauty in damp or moist soils, but grows fairly well in any good soil.

**Kilmarnock.** A variety of the Goat Willow, making a very pretty tree when grafted six or eight feet high, forming a complete umbrella head, the branches and foliage being very dense; unique in form. A very showy tree for planting on the lawn.

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"Having handled your stock for six years and being thrown in contact with agents and nursery stock from other concerns, I can conscientiously say that none can compare with your trees, either in grade or prices. Trees sent out by you are now in bearing in Princess Anne and Norfolk counties, Virginia, and Currituck county, North Carolina, and purchasers are satisfied in every particular."—  
REV. W. S. MERCER, Norfolk, Va.

# Evergreens

## Arborvitae

**American.** Sometimes called White Cedar. A well-known native species of great value, forming an upright, conical tree of medium size. Valuable for screens and hedges.

**Chinese Golden.** This is the most elegant and charming, and justly becoming the most popular of the Arborvitæ, the beautiful golden tint of its foliage and the compact and regular outline of its habit render it unusually attractive.

**Siberian.** A well-known popular variety, very dark green in color and compact in growth. Outline regularly conical; very hardy.

**Pyramidalis.** Upright. A remarkably erect form, dark green, compact and very desirable, and as conspicuous as the Irish Yew.

## Bamboo

**Japanese.** This is a very attractive ornamental; grows to an immense height. We have a large stock—direct importation from Japan.

## Cedrus

**Deodara** (Himalayan, or Deodar Cedar). The Great Cedar of the Himalayan mountains. A stately tree, attaining a height of 50 to 75 feet; foliage glaucous green; branches feathery and spreading; perfectly adapted to this climate. We grow this very largely.

## Fir

**Balsam** (Balm of Gilead). Well-known and popular; very pretty when young.

**English Silver.** A noble tree, with spreading horizontal branches; dark, shining green color, holding its color well through the winter; it is rather stiff-looking when young, but makes a splendid tree.

## Juniper

**Irish.** A distinct and beautiful variety, of very erect, dense, conical outline, resembling a pillar of green.

## Pine

**Austrian.** From central Europe, growing over 100 feet high. Leaves long, stiff and very dark green. Hardy everywhere, and one of our most valuable conifers for windbreaks, belts, etc.



Cedrus Deodara

## PINE, continued

**Scotch.** A rapid-growing, very hardy species from the central portion of Europe, with short, rigid, light green leaves.

**White.** An old well-known native tree, of rapid growth, and entirely hardy. Leaves rather long, slender and slightly glaucous.

## Spruce

**Norway.** A European species, of very rapid, elegant and lofty growth, and when it attains the height of 15 or 20 feet the branches assume a graceful, drooping habit; very hardy.

**Colorado Blue.** A magnificent variety of the Spruce, of compact growth, with strong, handsome foliage of a blue shade.

**Douglas'.** Notwithstanding the fact that the form of this species peculiar to the Pacific coast is unreliable here, the Rocky mountain variety has proven hardy and beautiful. Dark green.

**Hemlock.** One of the hardiest and most handsome trees; branches drooping; foliage delicate, retaining its color well through the winter; it also makes a highly ornamental hedge.

## Magnolias

**Acuminata** (Cucumber Tree). A beautiful pyramidal tree, attaining a height of 70 or 80 feet; growth very rapid and upright; flowers greenish yellow.

**Tripetala** (Umbrella Tree). A small-sized tree, of rapid growth; immense leaves; flowers creamy white, 4 to 6 inches in diameter.

**Grandiflora**. This magnificent southern evergreen may be called the Queen of the Magnolias. It is really a grand tree, but unfortunately too tender to stand the winters well north of the Potomac, and even the climate along the mountains of Virginia is rather too severe for it to do well; but east of Richmond and

south of the James river it flourishes finely. The tree is of rapid and handsome growth; leaves 8 to 10 inches long, which are retained the whole year; flowers large, white and very fragrant.

**Virginiana** (Sweet Bay). A small tree or shrub, with imperfectly evergreen leaves, smooth above and glaucous-white below. Flowers deliciously fragrant, cup-shaped and pure white.

**Soulangeana** (Hybrid Magnolia). Closely resembles the *M. Alexandria*, but perhaps rather larger and more distinctly marked purple and white flowers. Very handsome.

## Hedge Plants

### Japan Hardy Lemon

This is the coming hedge plant for defensive as well as ornamental purposes. It is hardy as far north as New Jersey, and, if planted in good soil, an impenetrable hedge can be had three years from planting. Requires but little trimming after the third year. So far it has been free from insect depredations. In early spring, when covered with myriads of white flowers, nothing is more attractive, and while not an evergreen, the vivid green wood makes it appear bright during winter. Plants may be set two feet apart.

### Privet

**California**. A vigorous, hardy shrub, of fine habit and foliage, nearly evergreen. Grows in almost any soil, and is very patient of pruning; makes a desirable ornamental shrub as well as hedge.

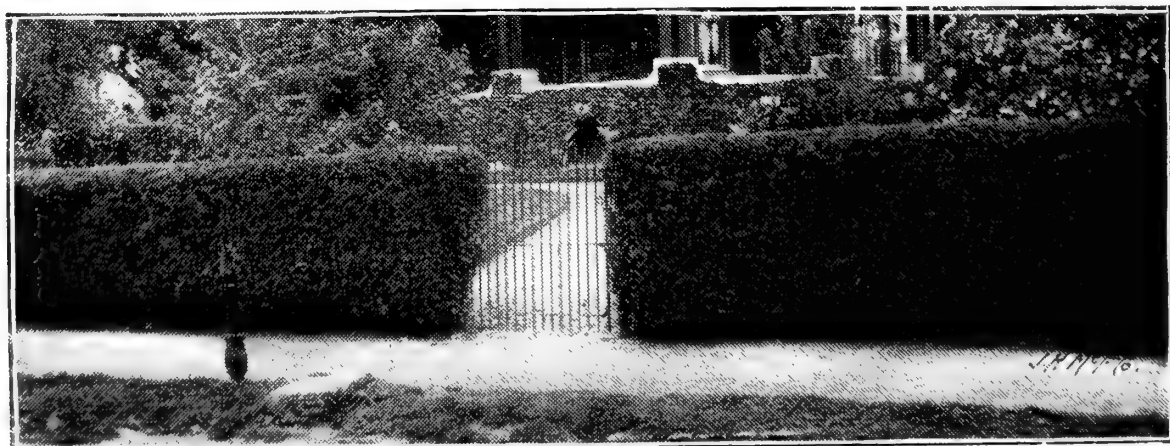
One of our most enterprising citizens has planted about thirty miles of Cali-

fornia Privet hedge around Richmond, and considers it one of the best plants for this purpose. This hardy shrub is used almost exclusively in the North for hedging purposes.

**Amoor River**. The most desirable of all broad-leaved evergreens where a tall hedge is desired. Growth very rapid; adapts itself to any soil not too arid or a swamp. If properly treated, a good hedge may be expected in two years after planting. Set plants 12 inches apart in ordinary soil, but in very rich land 18 to 24 inches distance may be given.

**Chinese**. A noticeable species, both in growth and foliage. It is very vigorous, has distinct, deep green leaves and numerous racemes of pure white, fragrant flowers. Excellent for hedging purposes and forms a beautiful specimen plant.

**Regel's**. A form of Iboia with spreading branches; smaller and more compact.



Hedge of California Privet



## Flowering and Other Shrubs

### Almond, Dwarf

**Double Rose-flowering.** A beautiful small shrub, producing an abundance of small, double, rose-like flowers, closely set upon the twig before the leaves appear. Very attractive.

**White-flowering.** Produces beautiful double white flowers in April.

### Althea, Hibiscus Syriacus

The following varieties constitute a beautiful show when in bloom, and exhibit a contrast surpassed by few of our really hardy plants. They are especially fine for hedges and screens.

**Amaranthus.** Rich purple; fine.

**Bicolor.** Double white with red stripes.

**Carnea plena.** White, tipped with pink.

**Comte de Flanders.** Bright maroon.

**Duchesse de Brabant.** Deep crimson.

**Elegantissima.** Bright pink, prettily striped.

**Fleur Blanche.** Pure white, single flower; fine.

**Jeanne d'Arc.** Pure white, very full, and superior to any double white known.

**Paeoniflora.** Large double pink; very beautiful.

**Ranunculaeflora.** White, with maroon center.

**Sanguinea.** Dark crimson.

**Violet claire.** Clear violet.

**Seedlings.** Mixed colors; fine for screens.

**Variegated-leaved Double Purple-flowered.** A conspicuous variety, with the foliage finely marked with light yellow, and producing double purple flowers. One of the finest variegated-leaved shrubs.

### Calycanthus

#### Sweet-scented Shrub

A well-known native bush, the young wood of which has a strong aromatic odor; foliage luxuriant, and the rare chocolate-colored blossoms are delightfully fragrant; blossoms in May and at intervals during summer.

### Crape Myrtle

A well-known and beautiful shrub; very attractive on account of its profusion of crape-like flowers, which appear about midsummer and continue for two months or more. Hardy south of Maryland. Pink or Scarlet, Purple, White, Red.



Single Althea

### Deutzias

**Gracilis** (Slender-growing Deutzia). Of small size, light green foliage, and delicate, graceful white flowers. Fine for forcing.

**Rough-leaved** (*D. scabra*). An upright thrifty shrub, bearing a profusion of white flowers in May.

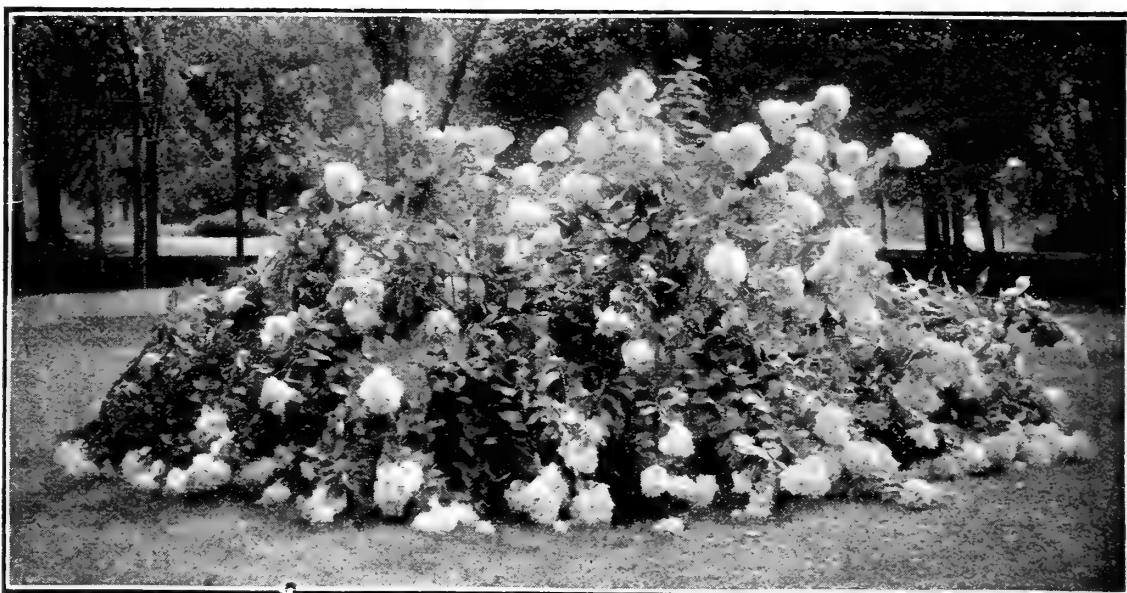
**Double-flowering Crenata (pleno).** From Japan. Flowers double, white, delicately margined with pink. This is deservedly one of the most popular and desirable flowering shrubs, and no collection can be complete without it.

**Double White.** Produces a profusion of double, pure white flowers, similar in habit to preceding.

**Pride of Rochester.** Origin, Rochester, N. Y. Large double white flowers, the back of the petals being tinted with rose; excels most of the old kinds in flavor and vigorous habit. Quite early and very handsome.

### Exochorda

**Grandiflora.** Japanese origin. A superb shrub, furnishing clouds of bloom in May; the flower is large, pure white, in racemes of five or six, with spoon-shaped petals, which are very narrow and stand apart at the base; the bush is large-growing, attaining sometimes ten feet in height and nearly as broad; perfectly hardy. A grand shrub, indeed.

*Hydrangea paniculata grandiflora*

### Fringe

**White.** A small native tree or shrub of roundish form, with large, glossy leaves and drooping racemes of pure white flowers having narrow fringe-like petals; blossoms in May or June. Superb lawn tree.

**Purple** (Smoke Tree, Venetian Sumac, etc.). A very elegant ornamental tree or large shrub, with curious hair-like flowers of pale, purplish color, that cover the whole plant. Very desirable.

### Hardy Phlox

No class of hardy plants is more desirable than the Perennial Phloxes. They will thrive in any position and can be used to advantage in the hardy border, in large groups on the lawn, or planted in front of belts of shrubbery, where they will be a mass of blooms the entire season.

### Hydrangea

**Paniculata.** One of the hardiest of its kind; very distinct in flower and foliage; not quite as free a bloomer as *H. grandiflora*, but very pretty and desirable.

**Large-panicked** (*Hydrangea paniculata grandiflora*). This is one of the finest shrubs of recent introduction, growing 8 to 10 feet high, producing immense pyramidal panicles of white flowers more than a foot long; blooms in August and September; indispensable.

**Arborescens grandiflora alba.** A recent introduction of great value. Blooms are of very large size, snowy white. A valuable acquisition, as it begins to bloom in April, and lasts almost the entire summer. In form, the panicles are similar to *H. Hortensis*.

### TENDER HYDRANGEAS

**Thomas Hogg.** Best white-flowering variety of the Hortensis group. Flowers last several weeks; at first slightly tinted green, becoming of the purest white, completely covering the plant.

**Otaksa.** An improved variety of Hortensis; flower-heads very large; pale rose or blue, according to soil. This variety is extensively used in growing in pots or tubs, and makes a fine summer porch plant.

### Lilac

**Common.** Very generally known and admired, with its profusion of fragrant blush-purple flowers.

**Common White.** Flowers produced in slender panicles; pure white and fragrant.

**White Persian.** Similar to the preceding, except that the flowers are nearly white, being slightly shaded with purple.

### JAPAN LILAC

A fine novelty, attaining the size of a tree, with large deep green glossy foliage, and immense clusters of elegant fragrant flowers late in the season. It is undoubtedly one of the best acquisitions of later years.

**Ambroise Verschaffelt.** Fine large trusses of bright rose color.

**Beranger.** Purplish lilac panicles of large size.

**Coerulea superba.** Large trusses of clear blue.

**Flora plena.** One of the first double varieties, and one of the most deserving bright lilac.

## JAPAN LILAC, continued

**Gloire de Croncels.** Reddish lilac; fine large trusses.

**Saugeana.** One of the Persian group, with reddish purple bloom.

**Mathieu de Bombasle.** A handsome double lilac flower and large truss.

**President Massait.** Large trusses and purplish lilac when fully open.

**Prof. Stockhardt.** Large panicles of lavender-colored flowers.

**Pyramidalis.** A charming novelty, with large semi-double flowers; rose-colored.

**Renoncule.** Short, compact truss of exceedingly beautiful double flowers; pale reddish lilac.

**Ville de Troyes.** Large fine trusses of rosy lilac flowers.

**Virginalis.** Very large panicles of pure white flowers.

## Japan Quince

Produces bright scarlet flowers in great profusion in the early spring; very attractive and hardy; one of the very best hardy shrubs in the catalogue.

**White-flowering.** A desirable shrub, producing delicate white and bluish flowers in early spring.

## Peonies, Herbaceous

A very showy and most useful class of hardy plants; will flourish in any section. They grow and flower well almost in any soil with very little care, but the flower will be finer and colors brighter if given a deep, rich loam, well manured.

**White and Pink.**

## Plum

**Purple-leaved** (*Prunus Pissardii*). One of the very best small trees or shrubs of recent introduction; the foliage is a beautiful red-purple, changing to a deep black-purple; the hot sun has no ill effect on its rich colors; it remains beautiful until frosts come, something unusual in purple-leaved plants; by far the best of its kind; exceedingly hardy and very easy to transplant.

**Double-flowered.** Of recent introduction from China. A very hardy shrub; flowers semi-double, of a delicate pink, closely set along the branches, forming a compact spike. Very pretty and desirable.

"Enclosed find check to cover bill. Trees are satisfactory and am pleased with them. Thanks."—C. J. FENCH, Coakley, Va.

## Spirea

**Ariaefolia.** A profuse bloomer, having large panicles of elegant white flowers.

**Billardii.** Bright rose-colored flowers; blooms nearly all summer; desirable.

**Billardii alba.** Very similar to the rose-colored, but with blossoms pure white.

**Plum-leaved** (Bridal Wreath). A very beautiful variety, flowers pure white, small and very double: blooms very early.

**Reevesii.** A very pretty sort, producing clusters of white flowers that cover the whole plant.

**Van Houttei.** One of the most attractive of the newer Spireas, blooming freely and entirely hardy. Flowers pure white.

## Snowball

**Common.** An old and well-known shrub, bearing large balls of pure white flowers.

**Japan** (*Viburnum plicatum*). A rare and exceedingly beautiful species from China. Flowers in large, globular heads; pure white, hanging long on the bush. A very choice and desirable shrub.

## Syringa. Mock Orange

A rapid grower; flowers large, white and fragrant.

## Weigela

**Rose-colored.** An elegant shrub, with beautiful and strong rose-colored flowers; hardy and of easy cultivation. Should be in every collection.

**Dwarf Variegated Rose.** Of spreading habit; leaves distinctly variegated; stands the sun well.



Spiraea Van Houttei

## Roses

Roses are the most beautiful of flowers, and they are among the easiest to raise in perfection. They require plenty of manure and good cultivation. Old and decayed branches, and at least half the previous season's growth, should be cut away early each spring, and a little cutting back after the first blooming will insure more late flowers. The so-called tender Roses must be carefully protected in winter by covering them with leaves and evergreen boughs; and the hardy sorts will be rendered more vigorous and productive of fine flowers if they, too, are similarly protected.

### Hybrid Perpetual Roses

**Alfred Colomb.** Raised from Jacqueminot. Brilliant carmine-crimson; very large, full, and of fine globular form; extremely fragrant, and in every respect a superb sort; green wood, with occasional pale greenish thorns; foliage large and handsome. One of the most useful of all sorts for general cultivation. Budded and on own roots.

**Anne de Diesbach.** Carmine, a beautiful shade; very large; a fine garden sort; does not thrive on its own roots.

**Augusta Mie.** Delicate pink; cupped and vigorous.

**American Beauty.** A grand Rose for either forcing or outdoor culture. Its very double flowers are of a deep crimson color and very fragrant; it is of full and very perfect form, with the petals finely imbricated; a constant bloomer and strong grower. Very desirable in every

way; its rich "June-rose" scent would alone commend it, to say nothing of its many other good qualities.

**Caroline de Sansal.** Clear, delicate flesh color; fine form; one of the best of its color.

**Coquette des Alpes.** White, tinged with carmine; very fine; a very free bloomer.

**Coquette des Blanches.** Pure white; very beautiful. We think this the best pure white Hybrid Perpetual.

**Etoile de France.** One of the most magnificent new Roses introduced in the past few years. It is a strong healthy grower, quite hardy and a quick and abundant bloomer, makes beautiful large pointed buds and extra large fully double flowers. Color, intense brilliant crimson, very fragrant.

**General Jacqueminot.** Brilliant velvety crimson; large, showy and a fine grower; a magnificent variety.

**Giant of Battles.** Brilliant crimson; large, very double and sweet; esteemed one of the finest.

**Gloire de Margottin.** One of the most brilliant red Roses in cultivation; large, full and handsomely formed.

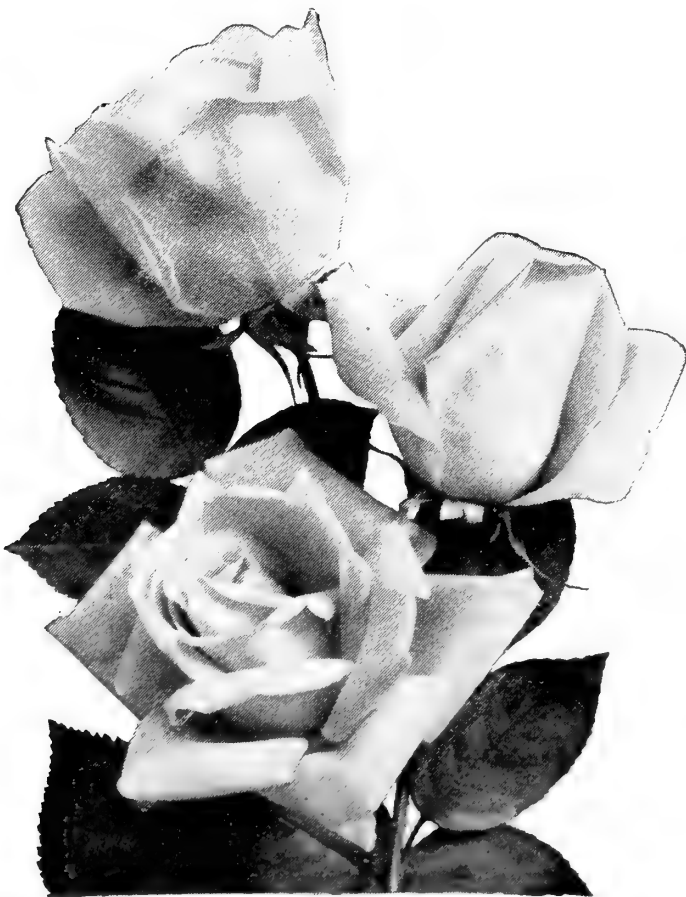
**Gruss an Teplitz.** This grand Rose has proven one of the best and most valuable hardy crimson ever-blooming Roses for garden planting ever introduced. The color is dark rich crimson passing to velvety-fiery-red, the very brightest colored rose we know. Flowers large, full and sweet; blooms constantly, throwing up fresh buds and flowers the whole growing season.

**Ivory** (White Golden Gate). Resembles the beautiful Golden Gate, but is pure ivory-white. Flowers are large, full and sweet.

**Jules Margottin.** Bright cherry-red, large and full: a truly beautiful Rose.

**La France.** Delicate silvery Rose; very large and full; an almost constant bloomer; equal in delicacy to a Tea Rose; the most pleasing fragrance of all Roses; only a moderate grower.

**La Reine.** Brilliant glossy rose; very large, cupped and beautiful; a superb Rose.



Killarney Rose

## HYBRID PERPETUAL ROSES.

continued

**Madam Charles Wood.** Extra large, full and double; color deep rosy crimson; sometimes brilliant scarlet; an early and continuous bloomer.

**Madam Plantier.** Pure white, above medium size; full; produced in great abundance early in the season. One of the very best hardy white Roses.

**Magna Charta.** This grand Rose is a strong grower, a very free bloomer, and has magnificent foliage; color bright pink, suffused with carmine; very large; full and of excellent form.

**Marshall P. Wilder.** Raised from General Jacqueminot. It is of vigorous growth, with healthy foliage; flowers large, semi-globular, full, well formed; color beautiful cherry-carmine; very fragrant. In wood foliage and form of flower it resembles Alfred Colomb, but the seedling excels that famous variety in vigor, hardiness and freedom of bloom. It continues to bloom profusely long after the other Remontants are out of flower. In brief, it may be described as an improved Alfred Colomb, and as good a Rose as has been raised by any one. It is undoubtedly the finest of its color.

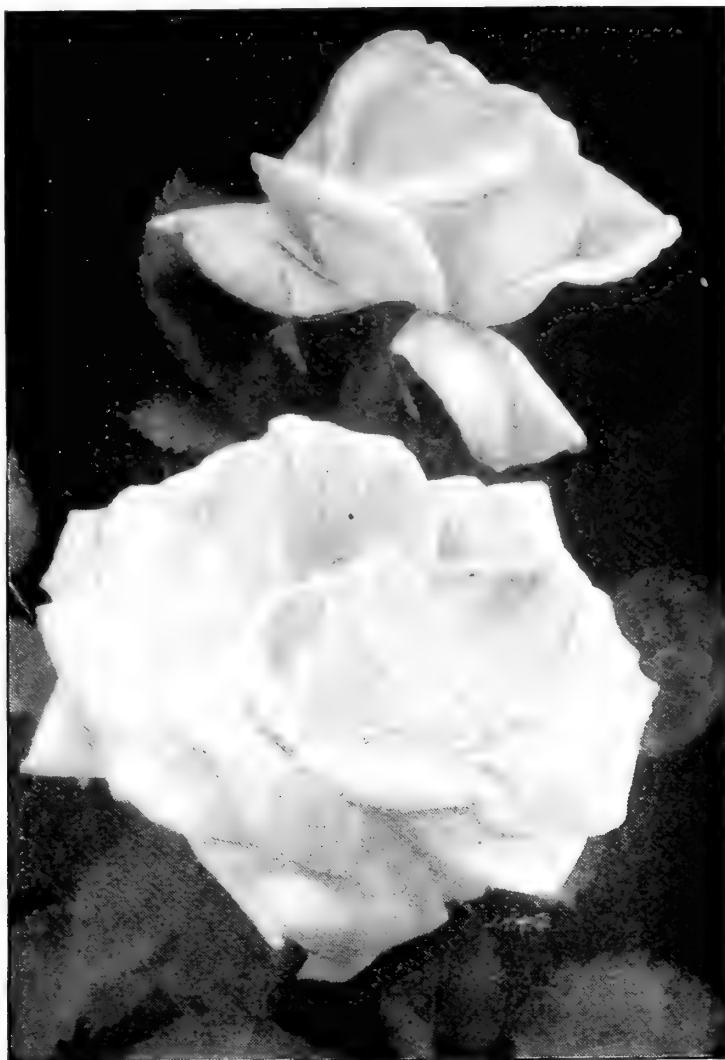
**Mrs. J. Laing.** A beautiful rose color; soft pink; large and of fine form; very fragrant.

**Paul Neyron.** Deep rose color; splendid foliage and habit, with larger flowers than any other variety, a valuable acquisition.

**Pink Killarney.** This splendid Irish Hybrid Tea has certainly come to stay. It is a vigorous grower and perfectly hardy here. It blooms freely, producing large flowers of the most exquisite shade of rich imperial pink. The petals are of excellent substance and often two and a half inches deep. The fragrance is simply enchanting. Killarney will continue to be a leading favorite.

**Prince Camille de Rohan.** Deep velvety crimson; large, moderately full; a splendid Rose.

**Richmond.** A grand Rose for house culture and forcing, producing splendid buds and flowers on fine long stems. Bright glowing scarlet crimson, exceedingly bright and beautiful.



Frau Karl Druschki

**Victor Verdier.** Fine bright rose, shaded with carmine; very hardy and a fine bloomer; a splendid Rose.

**Vick's Caprice (Vick).** Decidedly distinct, as each tiny pink petal is prettily striped with white and bright carmine. A good grower and free bloomer.

**White American Beauty, or Frau Karl Druschki.** This magnificent variety has taken first prize at all the great flower shows of Europe. Pure snow white, with long buds and immense, perfectly double flowers 4 to 5 inches across, with wax-like petals and very durable. It is one of the most continuous flowering Roses in this excellent class. The bush is a vigorous grower of upright habit and luxuriant foliage. Hardy everywhere that Roses grow. Both for cutting and for garden decoration, White American Beauty is universally recognized as the finest white rose in cultivation. We offer extra-fine plants.

**White Killarney.** New 1909. A sport from the famous "Pink Killarney" and equal to it in every respect. It is of the same size, form and make-up as the parent, with veritable wax-like blossoms that make it especially valuable for bouquets.



## Hardy Climbing Roses

**Baltimore Belle.** Pale blush, nearly white; double; best white climbing Rose.

**Crimson Rambler.** A new climbing Rose of unusual attractions; very hardy; having withstood 10 degrees below zero without covering; vigorous in growth, having grown 8 to 10 feet in a season; produces a profusion of blossoms, having been known to produce 300 blossoms on one shoot. The Crimson Rambler is specially adapted for covering trellises, training to side of the house, or can be cut back and grown in a bush form. Extra fine plants of this novel variety.

**Climbing Victor Verdier.** Another excellent pillar Rose of strong growth, with showy rosy carmine flowers, large, full and abundant.

**Greville, or Seven Sisters.** Flowers crimson, changing to blush, in large clusters.

**Madame Alfred Carriere.** Extra long, full flowers, very double and sweet; color rich creamy white, faintly tinged with pale yellow; a strong, hardy grower; free bloomer.

**Queen of the Prairie.** Bright rosy red, frequently striped with white; large, compact and globular.

**Reine Marie Henriette.** Large, finely formed flowers; very full and double; borne in clusters and Tea-scented; color rich crimson, elegantly shaded. New and fine.

**Rhea Reid.** Up until this Rose made its advent there has been no red Rose that filled the bill as to a summer bedder that produced fine red Roses suitable for cut-flower purposes. It grows and blooms freely, and the color is the very richest. This Rose will unquestionably make its greatest mark as a summer bedder.

**Tennessee Belle.** Dark pink; profuse bloomer and strong grower. One of the best climbing Roses for the South.

**Yellow Rambler.** A new hardy yellow climbing Rose, blooming after the same manner as Crimson Rambler; flowers of medium size, in immense clusters, often thirty-five to forty flowers in a single cluster; very sweet-scented. Color, a clear, decided yellow, a color heretofore unknown in a climbing Rose that was in any way hardy.

## Four Famous Cochet Roses

These are among the very finest hardy everblooming roses in cultivation. They stand at the head of the list and are not surpassed by any others in beauty or productiveness, and no difference what other Roses you have, you want the Four Great Cochet Roses also. They should be included with every order.

**Pink Maman Cochet.** This superb Rose is well known as a queen among Roses and one of the best and most beautiful varieties ever grown, and quite hardy. The flowers are of enormous size, very full and of great depth and substance. Color, rich coral pink, elegantly shaded with rosy crimson; has broad, thick, shell-like petals and makes superb long pointed buds; immense bloomer, continues loaded with buds and flowers the whole season. Deliciously sweet and a hardy, vigorous grower. It ranks among the very finest hardy ever-blooming roses.

**Red Maman Cochet.** (Mrs. R. B. Cant). A most valuable hardy everblooming Rose. Recommended for garden planting. It is a healthy, vigorous grower, throwing up strong shoots and producing great masses of splendid Roses the whole growing season. Flowers are extra large, perfectly double and deliciously sweet. Color, bright rose-red, elegantly shaded and exceedingly beautiful. It is entirely hardy here, though the usual Winter covering of leaves or garden litter is always desirable.



Maman Cochet Roses

**FOUR FAMOUS COCHET ROSES, con.**

**White Maman Cochet.** A splendid Rose; has all the good qualities of Maman Cochet, but is pure snow-white, equally large and fragrant, hardy and productive.

**Yellow Maman Cochet.** (Mlle. Helena Gambier). A grand everblooming Rose; color, lovely canary-yellow, with deep peachy-red center, changing to creamy pink as the flowers open. It makes a neat, handsome bush, blooms very quickly and abundantly all through the season, and flowers are large, very double and sweet.

**Moss Roses**

**Comtesse de Murinais.** Pure white; large; very desirable; the finest white Moss.

**Luxembourg.** Crimson; fine grower.

**Princess Adelaide.** A vigorous grower; pale rose, of medium size and good form; good in bud and flower. One of the best.

**Salet.** Clear rose color; double; a perpetual bloomer.

**White.** Pure white; very few flowers.

**Tender Perpetual Roses**

**Agrippina.** Red, velvety crimson; moderately double; fine in buds; valuable for planting out. One of the best.

**Andre Schwartz.** Recently introduced and recommended by the European growers as the "True Tea Jacqueminot"; the color is brilliant flowing scarlet, passing to rich crimson; very bright and striking; constant and profuse bloomer; flowers large, full and sweet.

**Augustine Guinoiseau** (Hybrid Tea). The best recommendation that can be given this magnificent Rose is that it is a pure white La France, having just a tint of blush clouding its broad petals. The buds and flowers are extra large, very full and finely formed; delightfully fragrant.

**Blumenschmidt.** This Rose is in a class by itself as a yellow blooming summer Rose, none to touch it in any particular. It is so far the only one that is yellow and that grows and blooms.

**Bon Silene.** Rosy carmine, shaded with salmon; fragrant and very-free-flowing. Valuable for the buds.

**Bridesmaid.** A very valuable new Tea Rose; a sport from the Catherine Mermet. It is a charming, clear bright pink in color, and much superior to its well-known parent. It forces well under glass, and is already popular with our florists.

**Catherine Mermet.** Bright flesh color, with the same peculiar luster possessed by La France; large, full and beautiful.

**Clothilde Soupert.** Medium size; very double and beautifully imbricated like an aster; produced in clusters; pearly white, with rosy lake centers. Liable to vary, producing often red and white flowers on the same plant. Valuable to florists for designs, or as a market pot-plant, being a remarkably free and constant bloomer and of easy culture. One of the most Valuable Roses of recent introduction.

**Coquette de Lyon.** A lovely Tea Rose exquisite canary-yellow; clear translucent texture and delicious perfume; flowers large; fine form; very full and double.

**Devoniensis.** Beautiful creamy white and rosy center; large; very full and double; delightfully sweet Tea scent.

**Duchess of Albany.** A sport from the well-known and popular La France. While it resembles its parent in several respects, it is quite distinct in color, being of a rich, deep, even pink tint, and the shape is more finished; it is equally vigorous, free blooming and fragrant; one of the most important of recent acquisitions for growing in the open air or for forcing.

**Etoile de Lyon.** A grand Rose for forcing, of superb form and habit; color rich saffron-yellow, brighter in the center; very large and full, blooming profusely; grows vigorously.

**Empress (Kaiserin) Augusta Victoria.** An extra fine white variety; faintly blended with cream color; very large, full and double, almost perfect in form, and it continues beautiful even when fully expanded. Its fragrance is a combination of tea and magnolia, and is very delightful and distinct from that of any other variety. Beautiful glossy foliage; a vigorous grower and very free-flowering, blooming at every shoot.

**Gloire de Dijon.** Fawn, with salmon; blooms all summer.

**Hermosa.** Bright rose; a most constant bloomer; hardy; one of the best.

**Isabella Sprunt.** Bright canary-yellow; large, beautiful buds; valuable for cut flowers; very sweet Tea scent; profuse bloomer.

**La France.** Raised from seed of a Tea Rose; delicate silvery rose, changing to silvery pink; very large, full, of fine globular form; a most constant bloomer; the sweetest and most useful of all Roses.

**Madame Falcot.** Fine apricot-yellow, with beautiful orange buds; most valued for bouquets; tea-scented; a constant bloomer; medium size and fullness.

**Madame Margottin.** Very large; perfectly double, elegantly perfumed; dark citron-yellow, with bright red center; a strong grower and quite hardy.

**TENDER PERPETUAL ROSES, continued**

**Madame Caroline Testout.** A beautiful bright yet clear pink Rose, and very much resembles LaFrance, from which it undoubtedly originated. It is of more sturdy habit, however, and exceedingly floriferous, and the individual blooms are often much larger than those of La France. It maintains its beautiful color at all seasons; handsome foliage; stem stout; fragrance very delicate.

**Madame Joseph Schwartz.** White, beautifully flushed with pink. The plant grows with great vigor, and is extremely free with its flowers, which are of medium size, cupped and borne in clusters.

**Marechal Niel.** Deep yellow; very large; very full, globular; highly scented. Requires careful treatment. It should be severely pruned. The finest yellow Rose.

**Marie Guillot.** Color pure snow-white, sometimes faintly tinged with pale yellow; extra large size; full and double; very sweet Tea scent.

**Marie Van Houtte.** White, slightly tinged with yellow, large and full. In every way a most charming sort.

**Manda's Triumph.** This grand Rose is of free growth, luxuriant foliage, and produces large clusters of double, pure white flowers, beautifully imbricated and well-formed, 2 inches in diameter and sweet-scented.

**Meteor.** Everblooming Hybrid Tea; a healthy; vigorous grower, free-blooming, and of a rich crimson color.

**Niphetos.** Pale yellowish white, often snow-white; long, large buds.

**Papa Gontier.** A popular Tea Rose, very free-blooming; long, pointed buds of a glowing carmine-crimson color. It is delightfully fragrant.

**Perle des Jardins.** A beautiful straw color, sometimes a deep canary; very large, full and of fine form. A very free bloomer. Steps at once into fame as the finest yellow Rose we have in our collection.

**Safrano.** Saffron and apricot. A very free bloomer. One of the oldest and best varieties, especially when used in the bud state.

**Souvenir de la Malmaison.** Pale flesh, with a fawn shade; large, full, beautiful.

**The Bride.** A magnificent pure white Tea Rose. Flowers large and double, on long, stiff stems, and last a long time in a fresh state after being cut. Tender.

**Triomphe de Luxembourg.** Salmon-buff, shaded with deep rose; distinct and fine.

**Wm. R. Smith, or Maiden's Blush (Tea).** Have you ever seen the blush of a beautiful maiden? If so, you will readily

understand why this Rose has been so named. The soft blending of the salmon-pink and the rose-pinks and the beautiful flesh tints in this Rose give a singular resemblance to the entrancing flush on a maiden's cheek. Grown by Shellum, the noted Philadelphia florist, a grand garden Rose.

**William Allen Richardson.** A new variety; of strong growth and climbing habit; color rich, coppery yellow, flushed with carmine, large, full and fragrant.

**Wichuraiana.** A distinct and valuable variety from Japan; it is a low, trailing species, its stems creeping on the earth almost as closely as the ivy. The flowers are produced in the greatest profusion in clusters on the end of every branch, after the June Roses are past, from the first week in July throughout the month. They are pure white, 1½ to 2 inches across, with yellow stamens, and have the strong fragrance of the Banksia Rose. It is quite hardy, with the exception of the latest immature growth, which may be cut back to some extent. Valuable as a covering for banks, rockeries, etc., and for use in cemeteries.

**Four Excellent Porch Roses**

**Mrs. Robert Peary (White).** Climbing Kaiserin Augusta Victoria. One of the very best in this class; a strong, vigorous grower, throwing up canes 6 to 8 feet high in a season. Flowers extra large and sweet; color rich creamy white, delicately tinted with lemon. Blooms constantly the whole season.

**Golden Rambler (Yellow).** Alister Stella Gray. This is a very beautiful variety. The color is rich apricot-yellow, soon changing to pure white, with bright yellow center. The flowers are large, full and fragrant, and it is a most constant and profuse bloomer. Plant near wall or trellis where it can have some shelter and support.

**Climbing Meteor (Red).** One of the finest bright crimson hardy Everblooming Climbing Roses ever introduced; makes exquisite buds and large, beautifully shaped flowers of the true Jacqueminot color.

**Climbing Belle Siebrecht (Pink).** An incessant bloomer, with long, pointed buds, and large, round flowers; color rich deep pink. Hardy with slight protection.

**Microphylla Roses**

**Alba (White).** Pure white, strong grower, constant bloomer, small, glossy foliage.

**Rubra (Pink).** Similar in growth and form to Alba.

*Clematis paniculata*

## Vines and Creepers

### Ampelopsis

**Veitchii.** Recently introduced from Japan; grows rapidly and attaches itself firmly to walls; the leaves are small, turning to brilliant red in the autumn.

### Clematis. Virgin's Bower

This is unquestionably one of the handsomest classes of vines for covering arbors, trellises, pillars, etc., that has been introduced. They are slender-branched, rapid growers, with handsome foliage and beautiful flowers, ranging in color from white to deep purple.

**Henryi.** Large; free grower and bloomer; flowers creamy white; one of the best.

**Jackmani** (Jackman's). Without a doubt the best yet introduced, and a general favorite; large, velvety, dark violet-purple; strong and hardy.

**Mad. Edouard Andre.** This is the nearest approach to a bright red Clematis, and has been called the Crimson Jackmani. The plant is a strong, vigorous grower and very free in bloom; color a distinct crimson-red; a very pleasing shade and entirely distinct from all other sorts.

**Paniculata.** From Japan. Panicles of small, pure white fragrant flowers borne in great profusion. Very desirable and entirely hardy. Blooms in late summer.

### Honeysuckle

**Hall's New Japan.** A strong, vigorous evergreen sort; flowers white, changing to yellow; very fragrant, and is covered with flowers nearly all summer and autumn. The best of all the Honeysuckles.

**Japan Evergreen** (Woodbine Honeysuckle). A very vigorous grower, with numerous white and yellow fragrant flowers.

**Chinese Twining.** An old favorite, holding its foliage through the winter; flowers red, yellow and white variegated; very sweet.

### Ivy

**English.** A beautiful vine, with dark green leaves that climbs over brick, stone or wooden walls or chimneys without any support. A hardy evergreen.

### Wistaria

**Chinese.** One of the most elegant and rapid-growing of all the climbing plants; attains a very large size, sometimes growing 15 or more feet in a season; has long racemes of pale blue flowers in spring and sometimes in autumn.

**White-flowering.** Like the preceding, except that the flowers are pure white and single.

# Spray Your Fruit Trees

And Make 100 Per Cent on Your Money

Don't you believe you can do it? Ask any up-to-date, progressive fruit-grower, and he will tell you yes, and more than 100 per cent.

Spraying is good for vegetables also. Let us explain.

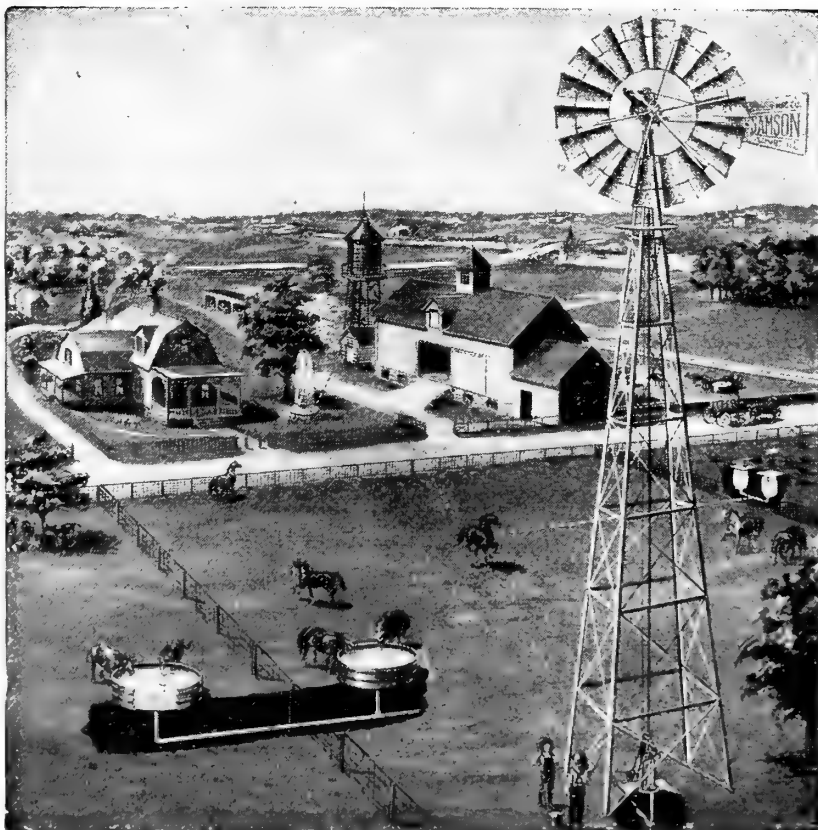
Let us tell you how to spray, when to spray, what to spray and send you a catalogue of the World's Best Sprayers, the "Deming." A postal will bring it.



This is a Power Sprayer. Can furnish Barrel and Bucket Sprayers from stock

**SYDNOR PUMP AND WELL CO., Inc.,**  
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This shows one system of supplying water.  
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Of course you do, but let us tell you how to get it out of the well with our Deming Pumps. We sell and install Pumps, Rams, Wind Mills, Gasoline Engines, both Elevated and Pressure or Pneumatic Tanks, Pipe, Iron Fence, Saw Mills and Supplies.

**Sydnor Pump and Well Co., Inc.,**

Dept. F.  
RICHMOND, VIRGINIA



## San Jose Scale

This pest first made its appearance in Virginia fifteen years ago—causing considerable consternation among the fruit-growers—vigorous steps, however, were taken and the pest controlled.

At the first appearance of scale the growers predicted that the orchards generally, would be wiped out of existence. In this they were much mistaken, for by prompt action the situation was controlled and the orchards that were properly sprayed have materially improved, both in healthfulness and in the quality of fruit produced.

As one large peach grower expresses it "the scale was a blessing in disguise." This gentleman states that by properly spraying his orchards and keeping his trees in first-class condition the quality of fruit produced is much improved as well as the production increased—he claims that the few cents expended on each tree for spraying every year has been of untold benefit.

We cannot impress too strongly on our patrons and the fruit grower generally the importance of spraying and properly caring for their trees if they would make their orchards profitable. As a precaution we recommend the washing or dipping of fruit trees when received from the nursery (dip or wash the bodies and limbs); doing this it insures against disease being brought into the orchard. As washes we suggest either Lime Sulphur Solution, Soluble Oil, Whale Oil or Takanap Soap.

We use extra care in seeing that all stock leaving our premises is thoroughly fumigated under directions as prescribed by the State Entomologist.

## Injurious Insects

The rapid increase of insects injurious to fruit and fruit trees necessarily compels the horticulturist to obtain a knowledge of their habits, that he may provide means to oppose their ravages; otherwise he must remain at their mercy, and find that paying crops become more and more uncertain. The limits of this catalogue allow only space for the enumeration of the most destructive and abundant species which infest the orchards and vineyards, and the best remedies as suggested by leading entomologists.

### APPLES

**Apple Worm** (*Carpocapsa pomonella*, or Codling Moth). Spray with arsenate of lead at the rate of two pounds to fifty gallons of water, and Bordeaux mixture (six pounds lime, three pounds bluestone), after the blossoms have fallen, and before the calyx lobes close. Repeat in one week. It is generally conceded that earlier or later sprayings than mentioned above are of no value against the first brood, when dealing with the codling-moth. It is necessary, therefore, to spray just after the petals fall and before the calyx lobes close, in order to fill this cup with poison at the only time it is possible to do so. A second brood of apple-worms appear from the middle to the last of June, in Georgia—later farther north—and spraying for this brood is advisable in many cases. As a general rule, spray the last week in June, and again two weeks later, with Bordeaux-arsenate of lead mixture. Bordeaux, not being strictly an insecticide, does not act against the codling moth, but it is always well to use it with arsenate of lead to prevent apple scab or other fungous diseases.

**Borer** (*Saperda candida*). Examine trees in spring and again in June and dig out the grubs with a wire. Then wash the collar of roots and parts of the body with a mixture of lime and sulphur.

**Caterpillar** (*Clisiocampa Americana*). Destroy nests as soon as they appear in

spring by burning, or spray with Paris green eight ounces, lime one pound, water 50 gallons.

**Spring Canker Worm** (*Paleacrita vernata*). Encircle the tree with a canvas belt coated thoroughly with tar or train oil; or spray with six ounces Paris green and one pound lime to fifty gallons Bordeaux or water.

**Woolly Aphis** (*Schizoneura lanigera*). For above-ground colonies, wash trees with solution of whale-oil soap or kerosene emulsion. For root-inhabiting colonies, remove the soil to a depth of about three inches, or sufficient to partially expose the roots; open a circle from four to eight feet in diameter, depending on the spread of the roots, distribute three to eight pounds of tobacco dust or use 15 per cent kerosene emulsion. Enough emulsion should be used to saturate the soil to a depth of three or four inches. Recent experiments have shown that kerosene emulsion may be used with success. Tobacco dust is of more value as a preventive and fertilizer. Badly infested trees should receive kerosene treatment.

### PEACHES AND PLUMS

**Curculio** (*Conotrachelus nenuphar*). Spray the trees before the blossoms open, with a solution of arsenate of lead, three pounds; lime, two pounds, to fifty gallons of water. Use Bordeaux with arsenate of

## INJURIOUS INSECTS, continued

lead when the blossoms have fallen; ten days later, Bordeaux and arsenate of lead. If peach and plum trees are in foliage, use three pounds copper sulphate, nine pounds lime and fifty gallons of water; a stronger mixture will burn the foliage. Then follow with a large hopper made of sheeting and having a spread of ten to fifteen feet, having a slit in same, so that the tree can be encircled; give the trunk a quick blow with a padded club; this causes the curculio to fall. Dump the insects into a jar of kerosene. Jarring should be done daily, beginning at daylight and continuing until 8 or 9 o'clock. It will hardly pay to jar the trees at any other time. Continue the jarring until the orchard is rid of the insects.

**Peach Tree Borer** (*Sanninoidea ex-ittiosa*). The old method of worming peach trees during winter has been found ineffective, principally because the worms cause too much damage before being removed.

Supposing that we start with an infested orchard; worm the trees in the spring; this will lessen the number of worms that will reach maturity. About July 1 apply a wash to a height of eighteen to twenty inches, allowing it to go well down on the roots. Immediately afterward draw up the earth to the trees, forming a cone six to eight inches above the level. This will force the borer moths to deposit eggs up above the mound of earth. The wash previously applied will help to repel the moths. A second application of deterrent wash, during August, should be applied if the first wash gets thin; that is, keep the bark coated.

The following is an excellent wash for peach trees: One bushel of quicklime, twenty pounds of sulphur, one gallon of coal tar fifty gallons of water. Mix tar and sulphur in ten gallons of water in barrel, add lime, keep well stirred. When entirely slaked, dilute to fifty gallons.

During the last of October, remove the mound from around the trees and thoroughly scrape and clean the bark. This will kill many young worms and probably some eggs. Now apply the wash again as it may kill many little borers that may be exposed but not actually killed by the scraping process. Worm the trees in the spring for the few worms that may escape the treatment just suggested.

**San Jose Scale** (*Aspidiotus perniciosus*). This attacks peach, pear, apple, quince, cherry, raspberry, rose and a number of other trees and shrubs. For winter treatment, we would recommend spraying with lime-sulphur solution. Spray in December and again late in February or early March. For summer treatment

would suggest spraying with kerosene emulsion, one part of emulsion to five of water, or soluble oil, or use the regular strength of lime-sulphur solution, applying this with a brush to the trunks and larger limbs only. None of this mixture should be put on the foliage or young growth.

**Other Scale Insects**, of which there are several species, which are destructive to fruit or other trees can be eradicated by the use of kerosene emulsion whale-oil soap or Larkin's Sulpho-Tobacco Soap.

[Note.—If your trees are infected with any insects or fungous diseases, send infected portion to your Experiment Station, your State Entomologist, or United States Entomologist, at Washington, D. C.]

## JAPANESE PERSIMMONS, WALNUTS AND PECANS

**Borer** (Prionus). These bore through the roots and usually destroy the tree; and must be carefully removed. Carefully examine collar of tree in winter and mid-summer, and apply lime and sulphur wash.

**Caterpillar** (*Catocala maestosa*). This insect feeds on the leaves of pecans, and is sometimes quite injurious; spray with Paris green, four ounces, lime one pound, to fifty gallons of water.

**Pecan Bud Worm** (*Proteopteryx Deludana*). Spray the trees just as the buds are opening, with arsenate of lead, three pounds to fifty gallons of water, and repeat application ten days later. If the worms appear again in June or July repeat the same treatment. This will also help control the pecan case bearer.

**Twig Girdlers** (*Oncideres cingulatus*). All limbs that have been girdled and have fallen must be burned at once, thus destroying all future broods of sawyers.

## GRAPE-VINES

**Borer** (Prionus). Its presence is manifested by the unhealthy appearance of the vine. Search must be made at the roots and the grub destroyed.

**Flea Beetle** (*Haltica Chalybea*). Dust leaves with dry lime.

**Grape Curculio** (*Coeliodes inoequalis*). Paris green or arsenate of lead solution as a spray, as soon as fruit is set.

**Leaf Hopper** (*Erythroneura vitis*). Passing with a torch between the rows in the evening and shaking the vines to disturb the insects.

**Leaf Folder** (*Desmia funeralis*). Kerosene emulsion, or Paris green, or arsenate of lead as a spray.

**Phylloxera**. Various insecticides are recommended, but must be applied below the ground with the aid of specially constructed apparatus.

# HOW AND WHEN TO SPRAY

PLANTS	1st Application	2d Application	3d Application	4th Application	5th Application
<b>APPLE</b> — Can- ker worm, cod- ling-moth, scab.	Spray before buds start, us- ing copper sul- phate solution.	After the blossoms have formed, but be- fore they open, Bordeaux and Paris green.	Within a week after blossoms have fallen, Bor- deaux and Paris green.	10 to 14 days later, repeat.	10 to 14 days later, Bor- deaux or weak copper sul- phate.
<b>CHERRY</b> — Rot aphis, curculio and slug.	Before buds start, use cop- per sulphate so- lution. For aphis, kerosene emulsion.	When fruit has set, Bor- deaux and Paris green.	10 to 12 days later, if signs of rot appear, repeat.	10 to 12 days later, copper sulphate solu- tion weak.	Repeat if ne- cessary.
<b>CURRENT</b> — Worms, mil- dew.	As soon as worms are seen, Paris green.	If they re- appear repeat, adding Bor- deaux for mil- dew.	If worms still trouble, pyrethrum or hellebore.		
<b>GOOSEBERRY</b> — Mildew, worms.	As leaves open, Bordeaux and Paris green.	In 10 to 14 days, repeat with both.	10 to 14 days later, sulphide of potassium on English va- rieties.	10 to 14 days later, repeat if necessary	If mildew persists, after crop is gath- ered, Bordeaux.
<b>GRAPE</b> — Flea- beetle, fungous diseases.	Before buds burst, copper sulphate solu- tion and Paris green.	When first leaves are half grown, Bor- deaux and Paris green.	As soon as fruit has set, repeat.	10 to 14 days later, Bor- deaux mixture if disease is present.	If necessary very weak cop- per sulphate solution.
<b>NURSERY STOCK</b> —Fung- ous diseases.	When buds burst, Bordeaux.	Repeat at in- tervals of 10 to	14 days.		
<b>PEACH, APRI- COT</b> — Leaf- curl, curculio, mildew and rot	Before buds awell, copper sulphate solu- tion.	As soon as fruit has set, Bordeaux and Paris green.	10 to 12 days later, repeat.	10 to 12 days later, repeat.	If rot persists use very weak copper sul- phate solution every 5 to 7 days.
<b>PEAR</b> —Leaf blight, scab, psylla and cod- ling-moth.	Before buds start, copper sulphate solu- tion.	Within a week after blossoms fall, Bordeaux and Paris green.	10 to 12 days later, repeat.	10 to 16 days later, Bor- deaux.	10 to 16 days later, Bor- deaux.
<b>PLUM</b> — Black knot, rot and all fungous dis- eases, curculio.	As buds start, copper sulphate solution. Cut out knot and burn.	When fruit has set, Bor- deaux and Paris green.	10 to 12 days later, repeat.	10 to 20 days later, Bor- deaux.	Weak copper sulphate solu- tion, as is ne- cessary.
<b>QUINCE</b> — Leaf and fruit spot, rot.	Before buds start, copper sulphate solu- tion.	When fruit has set, Bor- deaux and Paris green.	10 to 12 days later, repeat.	10 to 20 days later, Bor- deaux.	Bordeaux or copper sulphate solution, as necessary.
<b>RASPBERRY, BLACKBERRY</b> —Anthracnose rust.	Cut out badly diseased canes. Spray with cop- per sulphate before growth starts.	When new canes are one foot high, spray with Bordeaux mixture.	10 to 12 days later, weak copper sul- phate solution.	When crop is gathered re- move old canes, thin new ones and spray with Bordeaux mix- ture.	
<b>ROSE</b> — Mil- dew, black spot, red spi- der, aphis.	Mildew. Keep heating pipes painted with equal parts lime and sulphur, mixed with water to a paste.	Black spot. Spray plants once a week with weak cop- per sulphate.	Red spider. Kerosene emulsion to under side of foliage.	Aphis. Ker- osene emul- sion.	
<b>STRAWBERRY</b> —Rust.	Just before blossoms open, Bordeaux and Paris green.	When fruit has set, Bor- deaux or weak copper sulphate solution.	As soon as berries are har- vested, Bor- deaux, if to keep longer.		

## SPECIAL NOTICE

For **Black Knot** on cherries and plums, cut out and destroy by burning the diseased parts as soon as discovered. For **Aphis** on all plants use kerosene emulsion. If **Red Rust** appears, the entire stools affected should be cut out and burned. **Young Plants** should be sprayed with Bordeaux mixture at the time of the first and third applications to bearing plants.

For **San Jose Scale**, lime-sulphur solution or soluble oil.



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